

# Best Available Copy



#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

December 27, 2005

Kneg-Yu Shih

Examiner: Jennine Brown

U.S. Serial No. 10/633,509

Art Unit: 1755

Filed: August 5, 2003

Docket No.W-9459-02

For:

ACTIVE HETEROGENEOUS BI- or TRI-DENTATE LIGAND/TRANSITION METAL

**CATALYST** 

12/29/2005 JADDO1

00000101 071770

01 FC:1452

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10633509

Commissioner of Patents **Mail Stop: Petitions** P.O. Box 1450 Alexandria, VA 22313

## Petition to Revive Abandoned Application Under 37 CFR 1.137 (a)

This Petition is submitted in view of the Notice of Abandonment issued by the U.S Patent Office on November 17, 2005 with respect to the above-identified application.

Attorney for Applicants petitions the Commissioner of Patents and the Director under the provisions of 37 CFR 1.137(a) to have the above-identified application revived and placed on the active docket of the U.S. Patent & Trademark Office for further prosecution of same. In the alternative, upon consideration of the present Petition by the Commissioner and the Director, if there is a decision that the present Petition is not proper under the provisions of 37 CFR 1.137(a), than Attorney for Applicant requests this Petition to be made under either 37 CFR 1.137(b) or 37 CFR 1.181

It is respectfully submitted that any delay in making a timely reply to a presumably issued Office Action dated 18 January 2005 was unavoidable on the part of Applicant in view of the fact that no such Office Action was formally or even informally received by Applicant, Attorney for Applicant, nor Legal Department of Applicant's employer prior to the expiration of the statutory reply period.

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Prior to the Notice of Abandonment issued November 17, 2005, the last Office Action officially received by Applicant was dated April 8, 2004. Applicant timely replied to said Office Action by a Letter of Response with its Appendix 1 as well as with a Petition for Extension of Time and the required fees. This reply was received by the US Patent Office on August 10, 2004. In response to a telephone request by the Examiner on October 18, 2004, Applicant further submitted an additional copy of Appendix 1 of said Letter of Reply by facsimile directly to the Examiner. A copy of the Letter of Reply submitted August 10, 2004, the receipt card for same and the faxed correspondence dated October 18, 2004 are attached hereto as **Attachment A.** 

On or about August 17, 2005, Examiner Jennine Brown of the US Patent Office contacted the offices of Attorney for Applicant and left a telephone message making a courtesy inquiry with respect to Applicants intent to abandon the subject application. In response to the Examiner's message, Attorney for Applicant held a telephone conference with the Examiner on August 30, 2005. During said conference, Examiner Brown informed Attorney for Applicants that a Notice of Non-Compliant Amendment had issued on January 18, 2005. This was the first indication that such Office Action had issued. At the request of Attorney for Applicant, the Examiner provided, by facsimile, an informal copy of the Office Action to Attorney. A copy of same is attached hereto as **Attachment B** 

Attorney for Applicants declares that the Notice of Non-Compliant Amendment dated January 18, 2005 was not received by Applicant, Attorney for Applicant nor the Legal Department of Applicant's employer. The lack of receipt of the Notice from the USPTO precluded action on the part of Applicant and caused the unavoidable delay in filing of a Response thereto.

Attorney for Applicants herewith states that the file of the subject application has been reviewed and does not contain the presumably issued Notice of Non-Compliant Amendment nor an indication that same was entered therein. Further, a thorough review of the docket maintained for all items received at the Patent Department of Applicant's employer (the address of record for the subject application) shows that no Office Action was received. A copy of the dockets internally published by the Office Docket Clerk on January 14, 2005; February 1, 2005; and February 16, 2005 (The three dockets issued during the month subsequent to the issue date of the Notice) are attached hereto as **Attachment C**; **Attachment D**; and **Attachment E**. If such Notice was received, it would have been an item on the docket as it is standard procedure that each item of mail is first reviewed and entered on said docket by the Office Docketing Clerk. It is respectfully submitted that the Notice was not received by Attorney for Applicant nor by the Patent Department of Applicant's employer.

The faxed copy of the Office Action dated January 18, 2005 states that:

"Applicant has not amended the new claim properly, as any claims added by amendment must be presented in the claim listing with the status identifier "(new)"; the text of the claim must not be underlined. Note the newly added claim is underlined."

In view of the telephone conference with the Examiner and the faxed copy of the prior un-received Office Action, Attorney for Applicant submitted a Request for Re-Issuance of Un-Received Office Action. This paper was submitted in accordance with 37 CFR 1.181 and 1.134(c). The Request further included a corrected set of claims in compliance with the requirements of 37 CFR 1.121(c). Attached to and in support of said Request was Attachments A, B, C, D and E which correspond to Attachments B, C, D, E and the claims of Attachment G of the present Petition. A copy of the Request dated September 1, 2005 (without its Attachments) is submitted herewith as **Attachment F**.

Attorney for Applicant herewith submits, as **Attachment G**, a formal Letter of Reply to the presumably issued Notice of Non-Compliant Amendment. It is respectfully submitted that the claims objected to in said Notice ("Applicant has not amended the new claim [168] properly,...the text of the claim must not be underlined.") are herein submitted in accordance with 37 CFR 1.121(c).

Attorney for Applicant has awaited a reply to the submitted Request dated September 1, 2005 in order to promptly proceed forward in the most proper manner. It is presumed that the Notice of Abandonment dated November 17, 2005 is USPTO's reply to Applicant's Request.

Attorney for Applicant requests the Commissioner and the Director to invoke their supervisory authority to withdraw the holding of abandonment and to have the present application placed on the active rolls of applications subject to examination. Further, Attorney for Applicant requests the Commissioner and the Director to invoke their supervisory authority to enter the Letter of Reply submitted hereunder as Attachment G to supplement Applicant's Letter of Reply dated August 9, 2004.

The Commissioner and the Director are hereby authorized to charge Deposit Account 07-1770 the petition fee as set forth in 37 CFR 1.17(*l*). If the Commissioner and Director deem this Petition to be appropriate under another Section of CFR, they are authorized to:

- [x] credit any overpayment
- [x] charge any additional fee required.

A duplicate copy of this page is attached.

Respectfully submitted,

Attorney for Applicant

Reg. Number 25,184

Howard Troffkin

Telephone: 301-299-9326 Facsimile: 301-299-4575

cc: R. Woodruff (W.R. Grace)

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[x] credit any overpayment

[x] charge any additional fee required.

A duplicate copy of this page is attached.

Respectfully submitted,

Howard Trofffen
Attorney for Applicant

Reg. Number 25,184

Telephone: 301-299-9326 Facsimile: 301-299-4575

cc: R. Woodruff (W.R. Grace)

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ATTACHMENT A
US. Su. No 10 (633 509
Patition

The Patent & Trademark Office stamp affixed hereto indicates date of receipt of a Transmittal Form; Fee Transmittal Form and authorization to charge Deposit Account (in duplicate); Request for Extension of Time; an Amendment with an Appendix 1; in response to an Office Action dated April 8, 2004 for U. S. Serial Number 10/633,509; filed August 5, 2003; Inventor: Keng-Yu Shih

TITLE: Active Heterogeneous Bi- or Tri-Dentate Ligand/Transition Metal Catalyst

HJT:IIb

Atty Docket: W-9459-02 Mailed: August 9, 2004

The Patent & Trademark Office stamp affixed hereto indicates date of receipt of a Transmittal Form; Fee Transmittal Form and authorization to charge Deposit Account (in duplicate); Request for Extension of Time; an Amendment with an Appendix 1; in response to an Office Action dated April 8, 2004 for U. S. Serial Number 10/633,509; filed August 5, 2003; Inventor: Keng-Yu Shih

TITLE: Active Heterogeneous Bi- or Tri-Dentate Ligand/Transition Metal Catalyst

HJT:llb Atty Docket: W-9459-02 Mailed: August 9, 2004



PTO/SB/21 (05-03) Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.								
			Application Nun	nber	10/633,509			
TRANSMITTAL			Filing Date		08/05/2003			
FORM			First Named Inv	entor	Keng-Yu Shih			
(to be used for all correspondence after initial filing)		Group Art Unit		1755				
		Examiner Name	·	Jennine M. Brown				
Total Number of	Pages in This Submissio	n 31	Attorney Docket N	umber	W-9459-02			
ENCLOSURES (check all that apply)								
Fee Transmittal F	om (2X)	Assign (for an	ment Papers Application)		After Allowance Communication to Group			
Fee Attacl	ned	Drawi	ng(s)	[	Appeal Communication to Board of Appeals and Interferences			
Amendment/Rep	* <u>                                    </u>	Licensi			Appeal Communication to Group  (Appeal Notice, Brief, Reply Brief)			
After Final		Petitio			Proprietary Information			
Affidavits/d	eclaration(s)	Petition to Convert to a Provisional Application Status Letter			Status Letter			
Extension of Time	Request	Power Change Addre		ation e	Other Enclosure(s) (please identify below):			
		Terminal Disclaimer			Appendix 1 and Return Post			
Express Abandonment Request		Reque	est for Refund	ı	Card			
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Certified Copy of Priority Document(s)		emarks						
Response to Mis			J					
Incomplete Application  Response to Missing Parts								
under 37 CI	FR 1.52 or 1.53							
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Firm								
or Individual name	al name Howard J Troffkin							
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Date	The first							
CERTIFICATE OF TRANSMISSION/MAILING								
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Comprissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.								
Signature Mondet / hull								
Typed or printed name	Linda L. Burton Date			August 9, 2004				

PTO/SB/17 Customized(05-03)

Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Complete If Known

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TRANSMIT

#### 10/633,509 Application Number August 05, 2003 Filing Date Keng-Yu Shih First Named Inventor Effective 10/01/2003. Patent fees are subject to annual revision. **Examiner Name** Jennine M. Brown Applicant claims small entity status. See 37 CFR 1.27 Art Unit 1755 TOTAL AMOUNT OF PAYMENT \$128.00 W-9459-02 Attorney Docket No. METHOD OF PAYMENT (check all that apply) FEE CALCULATION (continued) 3. ADDITIONAL FEES Money Check Credit card Large Entity | Small Entity Deposit Account: Fee Fee Fee Fee\*\* Fee Description Deposit Code (\$) Code (\$) Fee Paid 07-1770 Account 1051 2051 Surcharge - late filing fee or oath Number 1052 2052 Surcharge - late provisional filing fee or Deposit W.R.Grace & Co.-Conn - MD cover sheet Name 1053 1053 Non-English specification Commissioner is authorized to: (check all that apply) For filing a request for ex parte reexamination 1812 1812 Credit any overpayments Charge fee(s) indicated below 1804° Requesting publication of SIR prior to 18041 Charge any additional fee(s) during the pendency of this application Examiner action 1805 Requesting publication of SIR after Examiner action Charge fee(s) indicated below, except for the filing fee 1805\* to the above-identified deposit account. 110.00 1251 110.00 2251 Extension for reply within first month **FEE CALCULATION** Extension for reply within second month 1252 2252 1. BASIC FILING FEE 1253 2253 Extension for reply within third month 0 Large Entity **Small Entity** Fee Paid Fee Fee ee Description 1254 2254 Extension for reply within fourth month Fee 0 Fee Code Extension for reply within fifth month 2255 0 1255 2001 Utility filing fee 1001 Notice of Appeal 1401 2401 Design filing fee 2002 1002 1402 2402 Filing a brief in support of an appeal Plant filing fee 1003 2003 1403 2403 Request for oral hearing -----Reissue filing fee 1004 2004 1451 1451 Petition to institute a public use Proceeding Provisional filing fee 1005 2005 Petition to revive - unavoidable 1452 2452 \$0.00 SUBTOTAL(I) Petition to revive - unintentional 1453 2453 2 EXTRA CLAIMFEES FOR UTILITY AND REISSUE 2501 1501 Utility issue fee (or reissue) Fee Paid 2502 1502 Design issue fee - - - - - - -18 Total Claims 208 18.00 F 1503 2503 Plant issue fee \_ \_ \_ \_ \_ \_ \_ 0 Independent 1460 1460 Petitions to the Commissionertaims Multiple Dependent 0 1807 Processing fee under 37 CFR 1.17(q) 1807 Large Entity j Small Entity Submission of Information Disclosure Stmt Fee Description 1806 1806 Fee Fee Fee Fee Code Code 8021 8021 Recording each patent assignment per property (times number of properties) 1202 18 2202 Claims in excess of 20 Filing a submission after final rejection (37 CFR 1. 1 29(a)) 2809 1809 1201 2201 Independent claims in excess of 3 Multiple dependent claim, if not paid 1203 2203 For each additional invention to be 1810 2810 \* Reissue independent claims examined (37 CFR 1.129(b)) 1204 2204 over original patent 1801 2801 Request for Continued Examination (RCE) \*\* Reissue daims in excess of 20 1205 2205 and over original patent 1802 1802 Request for expedited examination of a design \$18.00 SUBTOTAL (2) or number previously paid, if greater: For Reissues, see above Other fee (specify) ☐Total Filing and Extra Claim Fees As Filed Reduced by Basic Filing Fee Paid \$110.00 SUBTOTAL (3) \$0.00 Total Extra Claim Fees As Amended "Use Large Entity Fee Where No Form From Page 2 Parts 1 or 2 SUBMITTED BY This Fee is in Lieu Of Parts 1 and 2 above Fill Field Exists (Complete (if applicable)

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Howard J Troffkin

Name (Print Type)
Signature

Registration No. (Attorney I Agent

Telephone

301-299-9326

August 9, 2004

25184

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27 TOTAL AMOUNT OF PAYMENT \$128.00

Complete If Known				
Application Number	10/633,509			
Filing Date	August 05, 2003			
First Named Inventor	Keng-Yu Shih			
Examiner Name	Jennine M. Brown			
Art Unit	1755			
Attorney Docket No.	W-9459-02			

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)						
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1005	2005	Provisional filing fee	1451	1451	Petition to Institu	•	•.	
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1203	2203	Multiple dependent daim, if not paid	1810	2810	For each addition		to be	
1204	2204	**Reissue independent claims over original patent			examined (37 CF	• **.		
1205	2206	** Reissue claims in excess of 20	1801	2801	Request for Cor			
	l	and over original patent	1802	1802	Request for expe application	edited examin	ation of a design	
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Or Total Fx	tra Claim	Fees As Amended \$0.00	**Use Large	Entity Fee V	Vhere No Form `	BUBTOTAL	(3)	\$110.00
SUBMITTED E	Y	This Fee is in Lieu Of Parts 1 and 2 above		ill Field Exi	sts	(Complete (i	fapplicable)	
Name (Print Type	e)	, Howard J Troffkin,	Registrat (Attornev	ion No. I Agent <sub>i</sub>	25184	Telephone	301-299	-9326
. Signature		Meal trelle				Date	August 9	, 2004 ,

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PT01SB/22 (06-03)

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	Th 45 LINISED 07 OFD 4 400( )	Docket Number (Optional)		
PETITION FOR EXTENSION OF		W-9459-02		
	In re Application of Keng-Yu Shih			
	Application Number	Filed		
	10/633,509	08/05/2003		
	For			
	Active Heterogeneous Bi- or Tri- Dentate L	<del></del>		
	Group Art Unit	Examiner		
	1755	Jennine M. Brown		
This is a request under the provisions of reply in the above identified application.	37 CFR 1.13o(a) to extend the period 1	or tiling a		
The requested extension and appropriate	a non-small-entity fac are as follows			
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One month (37 CFR 1.17(a)	(1)) (Fee Code 1251)	\$ <u>110.00</u>		
Two months (37 CFR 1.17(a	a)(2)) (Fee Code 1252)	\$		
Three months (37 CFR 1.17	(a)(3))(Fee Code 1253)	\$		
Four months (37 CFR 1. 1 7)	a)(4)) (Fee Code 1254)	<b>\$</b>		
Five months (37 CFR 1.17(a	a)(5)) (Fee Code 1255)	\$		
	s. See 37 CFR 1.27. Therefore, the fee	amount shown		
above is reduced by one-half, and				
A check in the amount of the fee is	s enclosed.			
Payment by credit card. Form PT0				
The Commissioner has already be application to a Deposit Account.	een authorized to charge fees in this			
	orized to charge any fees which may be	e required,		
or credit any overpayment, to Dep I have enclosed a duplicate copy o		,		
I am the applicant/inventor	O U IS SI REC			
assignee of record of the	e entire interest. See 37 CFR 3.71.			
Statement under 37  attorney or agent of reco	CFR 3.73(b) is enclosed. (Form PTO/S	SB/96).		
attorney or agent under 37 CFR 1.34(a).  Registration number if acting under 37 CFR 1.34(a) 25184				
WARNING: Information on this for	m may become public. Credit card i	nformation should not		
be included on this form. Provide	credit card information and authoriz	ration on PTO-2038.		
A	Mont	1. M.		
August 9, 2004  Date	Sign	andre		
	·	vard J Troffkin		
	<del></del>	ed or printed name		
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple				
forms if more than one signature is required, see be	iow.			
Total Of 1forms are submitted	•			

## TRANSMITTAL LETTER Docket No. (General - Patent Pending) W-9459-02 In Re Application Of: KENG-YU SHIH et al. Application No. Filing Date Examiner Customer No. Group Art Unit Confirmation No. 10/633509 08/05/2003 JENNINE BROWN 1775 Title: ACTIVE HETEROGENEOUS BI- AND TRI-DENTATE CATALYST **COMMISSIONER FOR PATENTS:** Transmitted herewith is: REQUEST FOR RE-ISSUANCE OF UN-RECEIVED OFFICE ACTION in the above identified application. No additional fee is required. $\boxtimes$ A check in the amount of is attached. The Director is hereby authorized to charge and credit Deposit Account No. as described below. Charge the amount of $\boxtimes$ Credit any overpayment. Charge any additional fee required. Payment by credit card. Form PTO-2038 is attached. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. Dated: SEPT. 1, 2005 HOWARD TROFFKIN ATTORNEY FOR APPLICANTS **REG. NO. 25184** I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on (Date)

cc: R. WOODRUFF

Signature of Person Mailing Correspondence

Typed or Printed Name of Person Mailing Correspondence

CASE NO. W- 9459-02	
SERIAL No. 10/633, 509	
FILED: Aug 5, 2003	PATENT
INVENTOR: MRNq-Yu. Shih etal.	
The Patent & Trademark Office acknowledges, and has stamped hereon the date of receipt of the items checked	TATES PATENT AND TRADEMARK OFFICE
below:	Date: September 1, 2005
[ ] AFFIDAVIT	
[ ] AMENDMENT [ ] APPEAL NOTICE	Group Art Unit: 1755
APPLICATION PAPERS - OATH/DECLARATION	Francisco Issui's P
TOTAL CLS IND. CLS FEE \$  SHEETS OF DRAWING	Examiner: Jennine Brown
L ASSIGNMENT L BREAPE	Docket No.: W-9459-02
1   CERTIFICATE OF CORRECTION	200K8t110 17 7137 02
1 ) CLAIM OF PRIORITY AND CERTIFIED COPIES	r tri-dentate catalyst
SEP 0 7 2005	
I I ISSUE FEE - BASE/BALANCE	
I ) LETTER - CHARGE DEPOSIT ACCOUNT	
[ ] LICENSE BEOLUS	•
[ ] MOTION [ ] PETITION	
{ } PRELIMINARY STATEMENT	
INFORMATION DISCLOSURE STATEMENT	
[ ] REQUEST FOR EXTENSION OF TIME	SSUANCE OF UN-RECEIVED OFFICE ACTION
[ ] RESPONSE [ ] STIPULATION	
[ ] SWORN TRANSLATIONS	
MAINTENANCE FEE TRANSMITTAL	ests to determine that the subject application is not abandoned,
(X) REQUEST FOR RE-ISSUANCE OF UNRECEIVED OFFICE ACTION	the subject application and to have the Office Action that was on January 18, 2005 be reissued and delivered to Attorney for
Check No\$	101 of 2000 of followed and derivated to Attorney for
Authorized to charge	
Daposit Acat 07-1770	5, Examiner Jennine Brown contacted the offices of Attorney nquiry with respect to Applicants intent to abandon the subject se to an Office Action issued January 18, 2005.
Daling a lebih felebuoue co	onference on August 30, 2005, Examiner Brown informed

Attorney for Applicants that said Office Action was issued as Notice of Non-Compliant Amendment because the Amendment filed on October 18, 2005 by Applicant failed to meet the requirements of 37 CFR 1.121(h). At the request of Attorney for Applicant, the Examiner provided, by facsimile, a copy of the Office Action to Attorney. A copy of same is attached hereto as Attachment A

Attorney for Applicants submits that the Office Action of January 18, 2005 was not received at the addressed office of-

> Howard J. Troffkin W.R. Grace & Co.-Conn Patent Department 7500 Grace Drive Columbia, MD 21044-4098

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In The Application of

Date: September 1, 2005

Keng-Yu Shih, et al.

Group Art Unit: 1755

Serial No.: 10/633,509

Examiner: Jennine Brown

Filed: August 5, 2003

Dockct No.: W-9459-02

For: Active, heterogeneous bi- or tri-dentate catalyst

Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450

#### REQUEST FOR RE-ISSUANCE OF UN-RECEIVED OFFICE ACTION

Attorney for Applicant requests to determine that the subject application is not abandoned, to determine the present status of the subject application and to have the Office Action that was presumably issued by the USPTO on January 18, 2005 be reissued and delivered to Attorney for Applicants.

On or about August 17, 2005, Examiner Jennine Brown contacted the offices of Attorney for Applicant to make a courtesy inquiry with respect to Applicants intent to abandon the subject application in view of non-response to an Office Action issued January 18, 2005.

During a reply telephone conference on August 30, 2005, Examiner Brown informed Attorney for Applicants that said Office Action was issued as Notice of Non-Compliant Amendment because the Amendment filed on October 18, 2005 by Applicant failed to meet the requirements of 37 CFR 1.121(h). At the request of Attorney for Applicant, the Examiner provided, by facsimile, a copy of the Office Action to Attorney. A copy of same is attached hereto as **Attachment** A

Attorney for Applicants submits that the Office Action of January 18, 2005 was not received at the addressed office of-

Howard J. Troffkin W.R. Grace & Co.-Conn Patent Department 7500 Grace Drive Columbia, MD 21044-4098 Attorney for Applicants herewith declares that the file of the subject application has been reviewed and it does not contain a Notice of Non-Compliant Amendment nor an indication that same was entered therein. Further, a thorough check of the docket maintained for all items received at the above address shows that no Office Action was received. A copy of the dockets internally published by the Office Docket Clerk on January 14, 2005; February 1, 2005; and February 16, 2005 (The three dockets issued during the month subsequent to the mailing of the Notice) are attached hereto as "Attachment B; Attachment C; and Attachment D". If such Notice was received, it would have been an item on the docket as each item of mail is first reviewed and entered by the Office Docketing Clerk. It is respectfully submitted that the Notice was not received by Attorney for Applicant.

The Office Action states that:

"Applicant has not amended the new claim properly, as any claims added by amendment must be presented in the claim listing with the status identifier "(new)"; the text of the claim must not be underlined. Note the newly added claim is underlined."

Attorney for Applicants herewith submits, as **Attachment** E, a copy of the claims in proper form according to 37 CFR 1.121 (h).

Attorney for Applicant submits that without receipt of the subject Notice, he is of the belief that the subject application is pending in the US Patent Office for further review by the Examiner and that nothing is presently due from Applicant.

Attorney for Applicants requests that the US Patent & Trademark Office reissue the Notice of Non-Compliant Amendment with a current date of issue to provide Attorney for Applicants a prescribed time to timely respond thereto. It is also requested that the Examiner contact the Attorney to confirm that the subject application is not abandoned and will be considered for further prosecution upon the filing of Attachment E as part of a response to the newly issued Notice.

Respectfully submitted,

Howard Troffkin Attorney for Applicants Reg. No. 25,184

Telephone:

301-299-9326

Facsimile:

301-299-4575

cc: R. Woodruff (Grace)

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In The Application of : Date: August 9, 2004

Keng-Yu Shih, et al. : Group Art Unit: 1755

Serial No.: 10/633,509 : Examiner: Jennine Brown

Filed: August 5, 2003 Docket No.: W-9459-02

For: Active, heterogeneous bi- or tri-dentate catalyst

Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450

#### Letter of Response

Kindly enter the present Amendment into the above-identified application in response to the Office Action date April 8, 2004. A Petition for Extension of Time to Reply and the required fee under 37 CFR 1.17 (a) are concurrently submitted.

Amendments to the Claims begins on Page 2 of this paper.

Remarks/Arguments begin on Page 3 of this paper.

Appendix 1 attached to this Letter of Response includes a listing of claims of the present application.

### Amendments to the Claims:

The listing of Claims, as shown in Appendix I, attached hereto, will replace all prior versions and listings of claims of the present application.

#### Remarks/Arguments

Attorney for Applicant submits this Amendment to further distinguish the claimed invention from the prior art of record and to place the present application in condition for allowance. Such action is respectfully solicited.

Claims 71 to 167 remain in the subject application. New Claim 168 has been introduced.

The Examiner has objected to Claims 100-131 based on the contention that the preamble of these Claims indicates that they are directed to a catalyst composition but the substance of the claim is directed to process steps. The Examiner suggests that Claims 100-131 be cancelled, or amended to be made dependent on independent process claim 162 or be rewritten in independent form.

It is respectfully submitted that the present invention is properly defined by:

- Product-by-process Claims 71-132 wherein the catalyst composition is "formed by contacting substantially simultaneously in a single reaction zone and in an inert liquid" the defined components a), b) and c). The exact nature of the catalyst composition, once the components a), b) and c) have been contacted together is not readily identifiable and therefore, properly defined in product-by-process claim format.
- Product Claims 133 to 161 directed to a mixture of components
   a), b) and c) irrespective of how formed. These claims define

the initial mixture of components a), b) and c) and may also define the resultant product.

 Process Claims 162 to 168 directed to a process of forming the subject catalyst composition.

It is respectfully submitted that Claims 100-131 properly aid in defining and further limiting independent product-by-process Claim 71.

Independent Claim 71 requires the three defined components to be contacted "substantially simultaneously". The Examiner cites Merriam-Webster dictionary definition of the term "simultaneous" as an act that occurs at the same time. However, the claim term is "substantially simultaneously" which is taught to refer to contacting the three components in a rapid or an uninterrupted manner either by concurrent or uninterrupted sequential introduction into a single reaction zone.

In view of the Examiner's suggestion, Claims 72 and 73 have been amended to more clearly indicate that "precatalyst" and "transition metal compound" both refer to component c) defined in Claim 71.

The Examiner has rejected Claims 72, 73, 134 and 135 in view of the term "anionic ligand group" as used in section (iii) of each claim. The claims have been amended to fully overcome this rejection. Withdrawal of the rejection is solicited.

The Examiner has rejected certain indicated claims under 35 USC 102 (a) over the teaching of Bennett (US Patent 5,955,555), Mackenzie, et al. (US Patent 6,303,720) and Ponasik, et al. (US Patent 6,365,539). It is respectfully submitted that the presently claimed invention is distinct from and not

suggested by the cited teachings. Each of the rejections should be withdrawn.

For clarification purposes, Applicant wishes to aid the Examiner by describing certain unique features of the presently claimed invention over that of the known art.

The present invention is directed to a supported catalyst composition. Applicant acknowledges that the defined aluminum compound has been used as cocatalyst/activator in other catalyst compositions; that inorganic oxides, such as silica and alumina materials, have been used as supports in other catalyst compositions; and that bi-and/or tri-dentate transition metal complexes have been used as precatalyst in other catalyst compositions. However, it is respectfully submitted that the presently claimed highly active catalyst composition is not disclosed nor suggest by the prior art.

The prior art teaches that Lewis acid compounds are useful as cocatalyst/activator for bi- and tri-dentate/transition metal complex precatalysts. However, when forming a supported catalyst of such components, those skilled in the art deem it necessary to combine the precatalyst with a strong Lewis acid co-catalyst compound (such as difficult to handle MAO or costly borane compounds). The short comings of such co-catalysts are fully discussed in the background section of the present application. In order to provide or enhance the activity when a weak Lewis acid activator is used, it has been standard practice to i) use large quantities of such weak Lewis acid compounds relative to the transition metal precatalyst and/or ii) augment the weak Lewis acid with one of the strong Lewis acid compound described

above. None of the above systems provides a commercially desirable means of attaining an active catalyst composition.

It is further known and recognized that inorganic oxides, such as silica, alumina and like, are useful materials in forming supported catalyst compositions. The choice of such material is large as many different inorganic oxides are commercially available. When such systems are desired, it is conventional to initially impregnate the support with either a precatalyst or co-catalyst of choice to initially form an intermediate support material. This isolated material is subsequently contacted with the other component, usually in the polymerization zone.

What is distinct in the present invention is that a supported catalyst can be formed by substantially simultaneously contacting defined components a), b) and c). The component a) is reserved to certain weak Lewis acid aluminum compounds (normally used in large amounts or augmented by strong Lewis acid compound) used in very low molar ratio of aluminum of a) to transition metal of c) of from 1:1 to 25:1. This is counter to that taught by the prior art. The component b) is restricted to inorganic oxides having very low surface hydroxyl groups. The large number of commercially available inorganic oxides do not have this property as an inherent feature. Such feature is not standard with respect to commercial product. Even if, arguendo, such material can be commercially obtained, there is no teaching which directs the artisan to use this particular material as the required support.

Thus, the presently claimed invention requires certain specific cocatalyst and support components with properties and in amounts not taught by the cited art. Applicant has unexpectedly found that a highly active catalyst composition (one capable of forming commercially desired high molecular weight polymer instead of undesired low molecular weight oligomer product) can be achieved when the defined components are substantially simultaneously contacted together in certain claimed ratios.

With respect to Bennett, it is recognized that this reference teaches various aluminum compounds as useful. The illustrative examples of Bennett show that MAO is the activator of choice when preparing supported catalyst compositions. Further, Bennett teaching, at Col. 10, I 41-49, supports prior art's thinking with respect to Applicant's aluminum component [component a)]. Further, Bennett does not teach or suggest the use of any particular support, as presently required. All silica and alumina compounds deemed useful as supports do not inherently have the presently required property.

With respect to Mackenzie et al., this reference, like Bennett, teaches a wide variety of Lewis acid compounds suitable as co catalysts. Mackenzie et al. teaches that such compounds need to be capable of abstracting the anionic specie Q<sup>-</sup> or W<sup>-</sup> of the precatalyst and, by their illustrative examples, show that MAO and the like are preferred. There is no teaching of the presently claimed specific properties for the inorganic oxide. The Examiner's contention that such properties are inherent in all commercially available materials is not supported nor correct.

With respect to Ponasik et al., the same comments as made above with respect to Bennett and Mackenzie et al., are applicable to this reference.

It is well recognized that catalytic chemistry is an unpredictable art and general teachings can not be deemed to teach nor make obvious a specific

combination unexpectedly found to achieve desired high catalytic activity capable of forming high molecular weight product. This is especially so when the amount and type of certain components are contrary to such general and established teaching. For this reason, it is respectfully submitted that the references do not support the present rejections of the claims. Withdrawal of these rejections are solicited.

The Examiner has rejected all of the claims presently under consideration over the claims of U.S. 6,686,306; U.S. 6,559,090; U.S. 6,399,535; and U.S. 6,184,171. It is respectfully submitted that these rejections are not appropriate with respect to the present application and should be withdrawn.

The present application claims priority to U.S. Serial No. 09/431,803 having a filing date of November 1, 1999, a date which is earlier than or the same as the filing dates of U.S. '306, U.S. '090; and U.S. '535. Thus, the patent term for any patent granted from the present application would be earlier than or the same as that of these cited patents. The judicial doctrine of double patenting is not applicable in such instance.

With respect to U.S. 6,184,171, this cited reference is directed to a catalyst material having the catalyst moiety connected to a support material by an organo chain. The referenced claims are distinctly different from that of the present claims. It is respectfully submitted that the presently claimed invention should not be subject to the judicial doctrine of double patenting with respect to US '171.

Withdrawal of the double patenting rejections is solicited.

\* \* \* \* \*

Applicant believes that the presently claimed invention is patentably distinct from the cited art and that the application is in condition for allowance. Such actions is respectfully solicited.

Respectfully submitted,

Howard J. Troffkin Attorney for Applicants Registration No. 25,184

#### IN THE CLAIMS:

- 71. (currently amended) A catalyst composition useful in the polymerization of olefins formed by contacting substantially simultaneously in a single reaction zone and in an inert liquid, the components comprising:
- a) aluminum compounds selected from at least one aluminum compound represented by the formula

 $Al(R)_a(Q)_b(D)_c$ 

wherein

R is a hydrocarbyl group;

Q is a hydrocarbyloxy group;

D is hydrogen or halogen;

and each a, b, c is an integer of 0-3 provided the sum of a+b+c is 3;

- b) an inorganic oxide having from 0.01 to 12 mmole/gram of surface hydroxyl groups; and
- c) a precatalyst selected from at least one transition metal compound selected from the group consisting of a bidentate ligand/transition metal complex, a tridentate ligand/transition metal complex and mixtures thereof and wherein the transition metal of said complex is Fe, Co, Ni, Ru, Rh, Pd, Os, Ir, Pt, Ti, Zr or Hf;

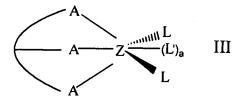
said components being present in amounts to provide 0.001 to 2.1 mmol of aluminum and from 1 to 1000 µmol of transition metal per gram of inorganic oxide and a mole ratio of aluminum of component a) to transition metal of component c) of from 1:1 to 25:1.

72. (currently amended) The catalyst composition of Claim 71 wherein the precatalyst is a transition metal compound comprising at least one is a bidentate ligand/transition metal complex represented by the formula

$$Z = \frac{A}{L}$$
 $Z = \frac{C}{L}$ 
 $L$ 

wherein

- i) each A independently represents an oxygen, sulfur, phosphorus or nitrogen atom of the bidentate ligand;
- ii) Z represents a transition metal selected from the group consisting of Fe, Co, Ni, Ru, Rh, Pd, Os, Ir and Pt in the +2 or +3 oxidation state and Ti, Zr and Hf in the +2, +3 or +4 oxidation state;
- iii) each L and L' independently represents an anionie ligand group selected from the group consisting of hydrogen, halogen, an unsubstituted or a substituted hydrocarbon radical or both L, together with Z, represents a C<sub>3</sub>-C<sub>24</sub> hydrocarbylene metallocyclic structure; and
- iv) "a" of (L')<sub>a</sub> is an integer of 0, 1 or 2 to provide a neutral transition metal complex.
- 73. (currently amended) The catalyst composition of Claim 71 wherein the precatalyst is a transition metal compound comprising at least one a tridentate ligand/transition metal complex represented by the formula



wherein

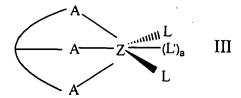
i) each A independently represents an oxygen, sulfur, phosphorous or nitrogen atom of the tridentate ligand;

72. (currently amended) The catalyst composition of Claim 71 wherein the precatalyst is a transition metal compound comprising at least one bidentate ligand/transition metal complex represented by the formula

$$Z = \frac{A}{L}$$
 $L$ 
 $L$ 
 $L$ 

wherein

- i) each A independently represents an oxygen, sulfur, phosphorus or nitrogen atom of the bidentate ligand;
- ii) Z represents a transition metal selected from the group consisting of Fe, Co, Ni, Ru, Rh, Pd, Os, Ir and Pt in the +2 or +3 oxidation state and Ti, Zr and Hf in the +2, +3 or +4 oxidation state;
- iii) each L and L' independently represents an anionic ligand group selected from the group consisting of hydrogen, halogen, an unsubstituted or a substituted hydrocarbon radical or both L, together with Z, represents a  $C_3$ - $C_{24}$  hydrocarbylene metallocyclic structure; and
- iv) "a" of (L')<sub>a</sub> is an integer of 0, 1 or 2 to provide a neutral transition metal complex.
- 73. (currently amended) The catalyst composition of Claim 71 wherein the precatalyst is a transition metal compound comprising at least one a tridentate ligand/transition metal complex represented by the formula



wherein

i) each A independently represents an oxygen, sulfur, phosphorous or nitrogen atom of the tridentate ligand;

- ii) Z represents a transition metal selected from the group consisting of Fe, Co, Ni, Ru, Rh, Pd, Os, Ir and Pt in the +2 or +3 oxidation state and Ti, Zr, and Hf in the +2, +3 or +4 oxidation state;
- iii) each L and L' independently represents an anioniea ligand group selected from the group consisting of hydrogen, halogen, an unsubstituted or a substituted hydrocarbon radical or both L, together with Z represents a C<sub>3</sub>-C<sub>24</sub> hydrocarbylene metallocyclic structure; and
- iv) "a" of (L')<sub>a</sub> is an integer of 0, 1 or 2 to provide a neutral transition metal complex.
- 74. (previously presented) The catalyst composition of claim 72 or 73 wherein each A represents a nitrogen atom, each L and L' is independently a halogen atom, or a hydrocarbyl or mixtures thereof or both L together form a hydrocarbylene metallocyclic group which, with Z, forms a 3 to 7 member ring structure.
- 75. (previously presented) The catalyst composition of Claim 72 or 73 wherein "a" of the aluminum compound is 1 to 3 and each L of the transition metal compound is a halogen atom.
- 76. (previously presented) The catalyst composition of Claim 72 or 73 wherein at least one L of the transition metal complex is hydrocarbyl.
- 77. (previously presented) The catalyst of Claim 71 wherein Z is Ni, Pd, Fe or Co.
- 78. (previously presented) The catalyst composition of Claim 72 wherein Z is Ni or Pd and each L is independently chlorine, bromine, iodine or a C<sub>I</sub>-C<sub>8</sub> alkyl group.

- 79. (previously presented) The catalyst composition of Claim 73 wherein Z is iron or cobalt and each L is independently chlorine, bromine, iodine or a C<sub>1</sub>-C<sub>8</sub> alkyl group.
- 80. (previously presented) The catalyst composition of Claim 71 wherein "a" of the aluminum compound is 3.
- 81. (previously presented) The catalyst composition of Claim 72 wherein "a" of the aluminum compound is 3.
- 82. (previously presented) The catalyst composition of Claim 73 wherein "a" of the aluminum compound is 3.
- 83. (previously presented) The catalyst composition of Claim 74 wherein "a" of the aluminum compound is 3.
- 84. (previously presented) The catalyst composition of Claim 71 wherein the transition metal is Fe.
- 85. (previously presented) The catalyst composition of Claim 72 wherein the transition metal is Fe.
- 86. (previously presented) The catalyst composition of Claim 73 wherein the transition metal is Fe.
- 87. (previously presented) The catalyst composition of Claim 80, 81 or 82 wherein the transition metal is Fe.
- 88. (previously presented) The catalyst composition of Claim 71 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to  $1000 \text{ m}^2/\text{g}$ .

- 89. (previously presented) The catalyst composition of Claim 80 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to  $1000 \text{ m}^2/\text{g}$ .
- 90. (previously presented) The catalyst composition of Claim 81 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to  $1000 \text{ m}^2/\text{g}$ .
- 91. (previously presented) The catalyst composition of Claim 82 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to  $1000 \text{ m}^2/\text{g}$ .
- 92. (previously presented) The catalyst composition of Claim 83 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to  $1000 \text{ m}^2/\text{g}$ .
- 93. (previously presented) The catalyst composition of Claim 84 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to 1000 m<sup>2</sup>/g.
- 94. (previously presented) The catalyst composition of Claim 85 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to  $1000 \text{ m}^2/\text{g}$ .

- 95. (previously presented) The catalyst composition of Claim 86 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to  $1000 \text{ m}^2/\text{g}$ .
- 96. (previously presented) The catalyst composition of Claim 87 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to  $1000 \text{ m}^2/\text{g}$ .
- 97. (previously presented) The composition of Claim 71, 80, 81, 82 or 88 wherein the inorganic oxide is silica and the transition metal is Fe.
- 98. (previously presented) The catalyst composition of Claim 71, 80 or 88 wherein said aluminum compound is present in an amount to provide from about 0.01 to 1.9 mmol of Al per gram of inorganic oxide; said transition metal complex is present in an amount to provide from 5 to 500 moles of transition metal per gram of inorganic oxide and said aluminum to transition metal is in a molar ratio of 1:1 to 20:1.
- 99. (previously presented) The catalyst composition of Claim 97 wherein said aluminum compound is present in an amount to provide from about 0.01 to 1.9 mmol of Al per gram of inorganic oxide; said transition metal complex is present in an amount to provide from 5 to 500 moles of transition metal per gram of inorganic oxide and said aluminum to transition metal is in a molar ratio of 1:1 to 20:1.
- 100. (previously presented) The catalyst composition of Claim 71, 72, 73, 77, 78, 79, 80, 81, 82, 86, 88, 89, 90 or 91 wherein the components are sequentially introduced into the inert liquid in the order of first component a), followed by component b), and then followed by component c) and recovering a solid mixture from the liquid.

- 101. (previously presented) The catalyst composition of Claim 74 wherein the components are introduced into the inert liquid in the order of first component a), followed by component b), and then followed by component c) and recovering a solid mixture from the liquid.
- 102. (previously presented) The catalyst composition of Claim 75 wherein the components are introduced into the inert liquid in the order of first component a), followed by component b), and then followed by component c) and recovering a solid mixture from the liquid.
- 103. (previously presented) The catalyst composition of Claim 76 wherein the components are introduced into the inert liquid in the order of first component a), followed by component b), and then followed by component c) and recovering a solid mixture from the liquid.
- 104. (previously presented) The catalyst composition of Claim 83 wherein the components are introduced into the inert liquid in the order of first component a), followed by component b), and then followed by component c) and recovering a solid mixture from the liquid.
- 105. (previously presented) The catalyst composition of Claim 84 wherein the components are introduced into the inert liquid in the order of first component a), followed by component b), and then followed by component c) and recovering a solid mixture from the liquid.
- 106. (previously presented) The catalyst composition of Claim 85 wherein the components are introduced into the inert liquid in the order of first component a), followed by component b), and then followed by component c) and recovering a solid mixture from the liquid.

- 107. (previously presented) The catalyst composition of Claim 92 wherein the components are introduced into the inert liquid in the order of first component a), followed by component b), and then followed by component c) and recovering a solid mixture from the liquid.
- 108. (previously presented) The catalyst composition of Claim 93 wherein the components are introduced into the inert liquid in the order of first component a), followed by component b), and then followed by component c) and recovering a solid mixture from the liquid.
- 109. (previously presented) The catalyst composition of Claim 94 wherein the components are introduced into the inert liquid in the order of first component a), followed by component b), and then followed by component c) and recovering a solid mixture from the liquid.
- 110. (previously presented) The catalyst composition of Claim 97 wherein the components are introduced into the inert liquid in the order of first component a), followed by component b), and then followed by component c) and recovering a solid mixture from the liquid.
- 111. (previously presented) The catalyst composition of Claim 71, 72, 73, 77, 78, 79, 80, 81, 82, 86, 88, 89, 90 or 91 wherein components a), b) and c) are concurrently introduced into the inert liquid and maintained therein at temperatures of from 0° to 50° C and atmospheric pressure.
- 112. (previously presented) The catalyst composition of Claim 74 wherein components a), b) and c) are concurrently introduced into the inert liquid and maintained therein at temperatures of from 0° to 50° C and atmospheric pressure.
- 113. (previously presented) The catalyst composition of Claim 75 wherein components a), b) and c) are concurrently introduced into the inert liquid and

maintained therein at temperatures of from 0° to 50° C and atmospheric pressure.

- 114. (previously presented) The catalyst composition of Claim 83 wherein components a), b) and c) are concurrently introduced into the inert liquid and maintained therein at temperatures of from 0° to 50° C and atmospheric pressure.
- 115. (previously presented) The catalyst composition of Claim 84 wherein components a), b) and c) are concurrently introduced into the inert liquid and maintained therein at temperatures of from 0° to 50° C and atmospheric pressure.
- 116. (previously presented) The catalyst composition of Claim 85 wherein components a), b) and c) are concurrently introduced into the inert liquid and maintained therein at temperatures of from 0° to 50° C and atmospheric pressure.
- 117. (previously presented) The catalyst composition of Claim 92 wherein components a), b) and c) are concurrently introduced into the inert liquid and maintained therein at temperatures of from 0° to 50° C and atmospheric pressure.
- 118. (previously presented) The catalyst composition of Claim 93 wherein components a), b) and c) are concurrently introduced into the inert liquid and maintained therein at temperatures of from 0° to 50° C and atmospheric pressure.
- 119. (previously presented) The catalyst composition of Claim 94 wherein components a), b) and c) are concurrently introduced into the inert liquid and maintained therein at temperatures of from 0° to 50° C and atmospheric pressure.

- 120. (previously presented) The catalyst composition of Claim 97 wherein components a), b) and c) are concurrently introduced into the inert liquid and maintained therein at temperatures of from 0° to 50° C and atmospheric pressure.
- 121. (previously presented) The catalyst composition of Claim 71, 72, 73, 77, 78, 79, 80, 81, 82, 86, 88, 89, 90 or 91 wherein the components a), b) and c) are directly introduced into an olefin polymerization reaction zone.
- 122. (previously presented) The catalyst composition of Claim 74 wherein the components a), b) and c) are directly introduced into an olefin polymerization reaction zone.
- 123. (previously presented) The catalyst composition of Claim 75 wherein the components a), b) and c) are directly introduced into an olefin polymerization reaction zone.
- 124. (previously presented) The catalyst composition of Claim 76 wherein the components a), b) and c) are directly introduced into an olefin polymerization reaction zone.
- 125. (previously presented) The catalyst composition of Claim 83 wherein the components a), b) and c) are directly introduced into an olefin polymerization reaction zone.
- 126. (previously presented) The catalyst composition of Claim 84 wherein the components a), b) and c) are directly introduced into an olefin polymerization reaction zone.

127. (previously presented) The catalyst composition of Claim 85 wherein the components a), b) and c) are directly introduced into an olefin polymerization reaction zone.

128. (previously presented) The catalyst composition of Claim 92 wherein the components a), b) and c) are directly introduced into an olefin polymerization reaction zone.

129. (previously presented) The catalyst composition of Claim 93 wherein the components a), b) and c) are directly introduced into an olefin polymerization reaction zone.

130. (previously presented) The catalyst composition of Claim 94 wherein the components a), b) and c) are directly introduced into an olefin polymerization reaction zone.

131. (previously presented) The catalyst composition of Claim 97 wherein the components a), b) and c) are directly introduced into an olefin polymerization reaction zone.

132. (previously presented) The catalyst composition of Claim 84, 85 or 86 wherein "a" of the aluminum compound is 3.

- 133. (previously presented) A heterogeneous catalyst composition useful in the polymerization of olefins comprising a mixture of:
- a) aluminum compounds selected from at least one aluminum compound represented by the formula:

 $Al(R)_a(Q)_b(D)_c$ 

wherein

R is a hydrocarbyl group;

Q is a hydrocarbyloxy group;

D is hydrogen or halogen; and each a, b, c is an integer of 0-3 provided the sum of a+b+c is 3;

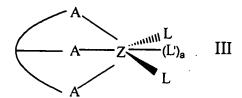
- b) an inorganic oxide having from 0.01 to 12 mmole/gram of surface hydroxyl groups; and
- c) a precatalyst selected from at least one transition metal compound selected from the group consisting of a bidentate ligand/ transition metal complex , a tridentate ligand/transition metal complex and mixtures thereof and wherein the transition metal of said complex is Fe, Co, Ni, Ru, Rh, Pd, Os, Ir, Pt, Ti, Zr or Hf; said components being present in amounts to provide 0.001 to 2.1 mmol of aluminum and from 1 to 1000  $\mu$ mol of transition metal per gram of inorganic oxide and a mole ratio of aluminum to transition metal of from 1:1 to 25:1.
- 134. (currently amended) The catalyst composition of Claim 133 wherein the transition metal compound is a bidentate ligand/transition metal complex represented by the formula

$$Z = \frac{A}{L}$$
 II

wherein

- i) each A independently represents an oxygen, sulfur, phosphorus or nitrogen atom of the bidentate ligand;
- ii) Z represents a transition metal selected from the group consisting of Fe, Co, Ni, Ru, Rh, Pd, Os, Ir and Pt in the +2 or +3 oxidation state and Ti, Zr and Hf in the +2, +3 or +4 oxidation state;
- iii) each L and L' independently represents an anioniea ligand group selected from the group consisting of hydrogen, halogen, an unsubstituted or a substituted hydrocarbon radical or both L, together with Z, represents a  $C_3$ - $C_{24}$  hydrocarbylene metallocyclic structure; and
- iv) "a" of (L')<sub>a</sub> is an integer of 0, 1 or 2 to provide a neutral transition metal complex.

135. (currently amended) The catalyst composition of Claim 133 wherein the transition metal compound is a tridentate ligand/transition metal complex represented by the formula



wherein

- i) each A independently represents an oxygen, sulfur, phosphorous or nitrogen atom of a tridentate ligand;
- ii) Z represents a transition metal selected from the group consisting of Fe, Co, Ni, Ru, Rh, Pd, Os, Ir and Pt in the +2 or +3 oxidation state and Ti, Zr, and Hf in the +2, +3 or +4 oxidation state;
- iii) each L and L' independently represents an anioniea ligand group selected from the group consisting of hydrogen, halogen, an unsubstituted or a substituted hydrocarbon radical or both L, together with Z represents a C<sub>3</sub>-C<sub>24</sub> hydrocarbylene metallocyclic structure; and
- iv) "a" of (L')a is an integer of 0, 1 or 2 to provide a neutral transition metal complex.
- 136. (previously presented) The catalyst composition of claim 134 or 135 wherein each A represents a nitrogen atom, each L and L' is independently a halogen atom, or a hydrocarbyl or mixtures thereof or both L together form a hydrocarbylene metallocyclic group which, with Z, forms a 3 to 7 member ring structure.
- 137. (previously presented) The catalyst composition of Claim 134 or 135 wherein

"a" of the aluminum compound is 1 to 3 and each L of the transition metal compound is a halogen atom.

- 138. (previously presented) The catalyst composition of Claim 134 or 135 wherein at least one L of the transition metal complex is a hydrocarbyl.
- 139. (previously presented) The catalyst of Claim 136 wherein Z is Ni, Pd, Fe or Co.
- 140. (previously presented) The catalyst composition of Claim 134 wherein Z is Ni or Pd and each L is independently a chlorine, bromine, iodine or a  $C_1$ - $C_8$  alkyl group.
- 141. (previously presented) The catalyst composition of Claim 135 wherein Z is iron or cobalt and each L is independently a chlorine, bromine, iodine or a C<sub>1</sub>-C<sub>8</sub> alkyl group.
- 142. (previously presented) The catalyst composition of Claim 133 wherein "a" of the aluminum compound is 3.
- 143. (previously presented) The catalyst composition of Claim 134 wherein "a" of the aluminum compound is 3.
- 144. (previously presented) The catalyst composition of Claim 135 wherein "a" of the aluminum compound is 3.
- 145. (previously presented) The catalyst composition of Claim 136 wherein "a" of the aluminum compound is 3.
- 146. (previously presented) The catalyst composition of Claim133 wherein the transition metal is Fe.
- 147. (previously presented) The catalyst composition of Claim 134 wherein the transition metal is Fe.

- 148. (previously presented) The catalyst composition of Claim 135 wherein the transition metal is Fe.
- 149. (previously presented) The catalyst composition of Claim 142, 143 or 144 wherein the transition metal is Fe.
- 150. (previously presented) The catalyst composition of Claim 133 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to  $1000 \text{ m}^2/\text{g}$ .
- 151. (previously presented) The catalyst composition of Claim 142 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to  $1000 \text{ m}^2/\text{g}$ .
- 152. (previously presented) The catalyst composition of Claim 143 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to  $1000 \text{ m}^2/\text{g}$ .
- 153. (previously presented) The catalyst composition of Claim 144 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to  $1000 \text{ m}^2/\text{g}$ .
- 154. (previously presented) The catalyst composition of Claim 145 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to 1000 m<sup>2</sup>/g.

- 155. (previously presented) The catalyst composition of Claim 146 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to 1000 m<sup>2</sup>/g.
- 156. (previously presented) The catalyst composition of Claim 147 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to  $1000 \text{ m}^2/\text{g}$ .
- 157. (previously presented) The catalyst composition of Claim 148 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to 1000 m<sup>2</sup>/g.
- 158. (previously presented) The catalyst composition of Claim 149 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to  $1000 \text{ m}^2/\text{g}$ .
- 159. (previously presented) The catalyst composition of Claim 133, 142, 143, 144 or 150 wherein the inorganic oxide is silica and the transition metal is Fe.
- 160. (previously presented) The catalyst composition of Claim 133, 142, or 150 wherein said aluminum compound is present in an amount to provide from about 0.01 to 1.9 mmol of Al per gram of inorganic oxide; said transition metal complex is present in an amount to provide from 5 to 500 moles of transition metal per gram of inorganic oxide and said aluminum to transition metal is in a molar ratio of 1:1 to 20:1.

- 161. (previously presented) The catalyst composition of Claim 159 wherein said aluminum compound is present in an amount to provide from about 0.01 to 1.9 mmol of Al per gram of inorganic oxide; said transition metal complex is present in an amount to provide from 5 to 500 moles of transition metal per gram of inorganic oxide and said aluminum to transition metal is in a molar ratio of 1:1 to 20:1.
- 162. (previously presented) A process for forming a heterogeneous catalyst useful in the polymerization of olefins comprising contacting substantially simultaneously in a single reaction zone having an inert liquid, the components comprising:
- a) aluminum compounds selected from at least one aluminum compound represented by the formula

 $Al(R)_a(Q)_b(D)_c$ 

wherein

R is a hydrocarbyl group;

Q is a hydrocarbyloxy group;

D is hydrogen or halogen; and

each a, b, c is an integer of 0-3 provided the sum of a+b+c is 3;

- b) an inorganic oxide having from 0.01 to 12 mmole/gram of surface hydroxyl groups; and
- c) a precatalyst selected from at least one transition metal compound selected from the group consisting of a bidentate ligand/transition metal complex, tridentate ligand/transition metal complex and mixtures thereof and wherein said transition metal is selected from the group consisting of Fe, Co, Ni, Ru, Rh, Pd, Os, Ir, Pt, Ti, Zr and Hf;

said components being present in amounts to provide 0.001 to 2.1 mmol of aluminum and from 1 to 1000 µmol of transition metal per gram of inorganic oxide and a mole ratio of aluminum to transition metal of from 1:1 to 25:1.

- 163. (currently amended) The process of Claim 162 wherein the components a), b) and c) are contacted substantially simultaneously concurrently introduced into the inert liquid and maintained therein at a temperature of from 0° to 50 °C and atmospheric pressure.
- 164. (previously presented) The process of Claim 162 or 163 wherein the transition metal is Fe.
- 165. (previously presented) The process of Claim 162 or 163 wherein the inorganic oxide is silica.
- 166. (previously presented) The process of Claim 165 wherein the transition metal is Fe.
- 167. (previously presented) The process of Claim 166 wherein "a" of the aluminum compound is 3.
- 168. (new) The process of Claim 162 wherein the components are introduced into the inert liquid in the order of first component a), followed by component b), and then followed by component c) and recovering a solid mixture from the liquid.

#### **REMARKS**

Attorney for Applicant submits this Preliminary Amendment to further the prosecution of the above-identified application.

Attorney for Applicant herewith submits a new specification to replace the specification originally filed. The present specification corrects typographical errors previously noted by the Examiner in prior filed parent application. The present specification does not present new matter with respect to the originally filed parent application.

Attorney for Applicant herewith deletes all of the claims of the original application and submits new claims for consideration with respect to the present application. The presently claimed invention is directed to a process for forming a catalyst composition and to the resultant catalyst. The process provides for substantially simultaneously(either concurrently or sequentially) contacting in a single reaction zone the reactants composed of certain defined aluminum compounds, inorganic oxides and transition metal compounds selected from bidentate ligand/transition metal complex, tridentate ligand/transition metal complex or mixtures thereof. The reactants are contacted in certain specific amounts, which provide a low mole ratio of aluminum to transition metal in the mixture formed.

Applicant believes that the Examiner will agree that the presently claimed invention is patentably distinct from the prior art and the application is in condition for allowance. Such action is respectfully solicited.

Respectfully submitted,

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#### Message To Recipient

US Application Serial No. 10/633509 Docket No. W-9459-02

Please find attached a copy of Appendix I of the Letter of Reply dated August 9, 2004 with respect to the subject application.

Howard Troffkin Attorney for Applicant Registration No. 25184

Total number of pages: (Including this cover page). If all of the pages are not received, please call (301) 299-9326.

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Appendix I for US Serial No. 10/633,509 Amendment dated August 9, 2004

#### IN THE CLAIMS:

- 1-70. (cancelled).
- 71. (currently amended) A catalyst composition useful in the polymerization of olefins formed by contacting substantially simultaneously in a single reaction zone and in an inert liquid, the components comprising:
- a) aluminum compounds selected from at least one aluminum compound represented by the formula

 $Al(R)_a(Q)_b(D)_c$ 

wherein

R is a hydrocarbyl group;

Q is a hydrocarbyloxy group;

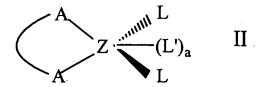
D is hydrogen or halogen;

and each a, b, c is an integer of 0-3 provided the sum of a+b+c is 3;

- b) an inorganic oxide having from 0.01 to 12 mmole/gram of surface hydroxyl groups; and
- c) a precatalyst selected from at least one transition metal compound selected from the group consisting of a bidentate ligand/transition metal complex, a tridentate ligand/transition metal complex and mixtures thereof and wherein the transition metal of said complex is Fe, Co, Ni, Ru, Rh, Pd, Os, Ir, Pt, Ti, Zr or Hf;

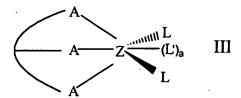
said components being present in amounts to provide 0.001 to 2.1 mmol of aluminum and from 1 to 1000 µmol of transition metal per gram of inorganic oxide and a mole ratio of aluminum of component a) to transition metal of component c) of from 1:1 to 25:1.

72. (currently amended) The catalyst composition of Claim 71 wherein the precatalyst is a transition metal compound comprising at least one is a bidentate ligand/transition metal complex represented by the formula



wherein

- i) each A independently represents an oxygen, sulfur, phosphorus or nitrogen atom of the bidentate ligand;
- ii) Z represents a transition metal selected from the group consisting of Fe, Co, Ni, Ru, Rh, Pd, Os, Ir and Pt in the +2 or +3 oxidation state and Ti, Zr and Hf in the +2, +3 or +4 oxidation state;
- iii) each L and L' independently represents an anioniea ligand group selected from the group consisting of hydrogen, halogen, an unsubstituted or a substituted hydrocarbon radical or both L, together with Z, represents a C<sub>3</sub>-C<sub>24</sub> hydrocarbylene metallocyclic structure; and
- iv) "a" of  $(L')_a$  is an integer of 0, 1 or 2 to provide a neutral transition metal complex.
- 73. (currently amended) The catalyst composition of Claim 71 wherein the precatalyst is a transition metal compound comprising at least one a tridentate ligand/transition metal complex represented by the formula



wherein

i) each A independently represents an oxygen, sulfur, phosphorous or nitrogen atom of the tridentate ligand;

- ii) Z represents a transition metal selected from the group consisting of Fe, Co, Ni, Ru, Rh, Pd, Os, Ir and Pt in the +2 or +3 oxidation state and Ti, Zr, and Hf in the +2, +3 or +4 oxidation state;
- iii) each L and L' independently represents an anioniea ligand group selected from the group consisting of hydrogen, halogen, an unsubstituted or a substituted hydrocarbon radical or both L, together with Z represents a C<sub>3</sub>-C<sub>24</sub> hydrocarbylene metallocyclic structure; and
- iv) "a" of  $(L')_a$  is an integer of 0, 1 or 2 to provide a neutral transition metal complex.
- 74. (previously presented) The catalyst composition of claim 72 or 73 wherein each A represents a nitrogen atom, each L and L' is independently a halogen atom, or a hydrocarbyl or mixtures thereof or both L together form a hydrocarbylene metallocyclic group which, with Z, forms a 3 to 7 member ring structure.
- 75. (previously presented) The catalyst composition of Claim 72 or 73 wherein "a" of the aluminum compound is 1 to 3 and each L of the transition metal compound is a halogen atom.
- 76. (previously presented) The catalyst composition of Claim 72 or 73 wherein at least one L of the transition metal complex is hydrocarbyl.
- 77. (previously presented) The catalyst of Claim 71 wherein Z is Ni, Pd, Fe or Co.
- 78. (previously presented) The catalyst composition of Claim 72 wherein Z is Ni or Pd and each L is independently chlorine, bromine, iodine or a C<sub>1</sub>-C<sub>8</sub> alkyl group.

- 79. (previously presented) The catalyst composition of Claim 73 wherein Z is iron or cobalt and each L is independently chlorine, bromine, iodine or a C<sub>1</sub>-C<sub>8</sub> alkyl group.
- 80. (previously presented) The catalyst composition of Claim 71 wherein "a" of the aluminum compound is 3.
- 81. (previously presented) The catalyst composition of Claim 72 wherein "a" of the aluminum compound is 3.
- 82. (previously presented) The catalyst composition of Claim 73 wherein "a" of the aluminum compound is 3.
- 83. (previously presented) The catalyst composition of Claim 74 wherein "a" of the aluminum compound is 3.
- 84. (previously presented) The catalyst composition of Claim 71 wherein the transition metal is Fe.
- 85. (previously presented) The catalyst composition of Claim 72 wherein the transition metal is Fe.
- 86. (previously presented) The catalyst composition of Claim 73 wherein the transition metal is Fe.
- 87. (previously presented) The catalyst composition of Claim 80, 81 or 82 wherein the transition metal is Fe.
- 88. (previously presented) The catalyst composition of Claim 71 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to  $1000 \text{ m}^2/\text{g}$ .

- 89. (previously presented) The catalyst composition of Claim 80 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to  $1000 \text{ m}^2/\text{g}$ .
- 90. (previously presented) The catalyst composition of Claim 81 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to  $1000 \text{ m}^2/\text{g}$ .
- 91. (previously presented) The catalyst composition of Claim 82 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to  $1000 \text{ m}^2/\text{g}$ .
- 92. (previously presented) The catalyst composition of Claim 83 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to  $1000 \text{ m}^2/\text{g}$ .
- 93. (previously presented) The catalyst composition of Claim 84 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to  $1000 \text{ m}^2/\text{g}$ .
- 94. (previously presented) The catalyst composition of Claim 85 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to  $1000 \text{ m}^2/\text{g}$ .

- 95. (previously presented) The catalyst composition of Claim 86 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to 1000 m<sup>2</sup>/g.
- 96. (previously presented) The catalyst composition of Claim 87 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to  $1000 \text{ m}^2/\text{g}$ .
- 97. (previously presented) The composition of Claim 71, 80, 81, 82 or 88 wherein the inorganic oxide is silica and the transition metal is Fe.
- 98. (previously presented) The catalyst composition of Claim 71, 80 or 88 wherein said aluminum compound is present in an amount to provide from about 0.01 to 1.9 mmol of Al per gram of inorganic oxide; said transition metal complex is present in an amount to provide from 5 to 500 moles of transition metal per gram of inorganic oxide and said aluminum to transition metal is in a molar ratio of 1:1 to 20:1.
- 99. (previously presented) The catalyst composition of Claim 97 wherein said aluminum compound is present in an amount to provide from about 0.01 to 1.9 mmol of Al per gram of inorganic oxide; said transition metal complex is present in an amount to provide from 5 to 500 moles of transition metal per gram of inorganic oxide and said aluminum to transition metal is in a molar ratio of 1:1 to 20:1.
- 100. (previously presented) The catalyst composition of Claim 71, 72, 73, 77, 78, 79, 80, 81, 82, 86, 88, 89, 90 or 91 wherein the components are sequentially introduced into the inert liquid in the order of first component a), followed by component b), and then followed by component c) and recovering a solid mixture from the liquid.

- 101. (previously presented) The catalyst composition of Claim 74 wherein the components are introduced into the inert liquid in the order of first component a), followed by component b), and then followed by component c) and recovering a solid mixture from the liquid.
- 102. (previously presented) The catalyst composition of Claim 75 wherein the components are introduced into the inert liquid in the order of first component a), followed by component b), and then followed by component c) and recovering a solid mixture from the liquid.
- 103. (previously presented) The catalyst composition of Claim 76 wherein the components are introduced into the inert liquid in the order of first component a), followed by component b), and then followed by component c) and recovering a solid mixture from the liquid.
- 104. (previously presented) The catalyst composition of Claim 83 wherein the components are introduced into the inert liquid in the order of first component a), followed by component b), and then followed by component c) and recovering a solid mixture from the liquid.
- 105. (previously presented) The catalyst composition of Claim 84 wherein the components are introduced into the inert liquid in the order of first component a), followed by component b), and then followed by component c) and recovering a solid mixture from the liquid.
- 106. (previously presented) The catalyst composition of Claim 85 wherein the components are introduced into the inert liquid in the order of first component a), followed by component b), and then followed by component c) and recovering a solid mixture from the liquid.

- 107. (previously presented) The catalyst composition of Claim 92 wherein the components are introduced into the inert liquid in the order of first component a), followed by component b), and then followed by component c) and recovering a solid mixture from the liquid.
- 108. (previously presented) The catalyst composition of Claim 93 wherein the components are introduced into the inert liquid in the order of first component a), followed by component b), and then followed by component c) and recovering a solid mixture from the liquid.
- 109. (previously presented) The catalyst composition of Claim 94 wherein the components are introduced into the inert liquid in the order of first component a), followed by component b), and then followed by component c) and recovering a solid mixture from the liquid.
- 110. (previously presented) The catalyst composition of Claim 97 wherein the components are introduced into the inert liquid in the order of first component a), followed by component b), and then followed by component c) and recovering a solid mixture from the liquid.
- 111. (previously presented) The catalyst composition of Claim 71, 72, 73, 77, 78, 79, 80, 81, 82, 86, 88, 89, 90 or 91 wherein components a), b) and c) are concurrently introduced into the inert liquid and maintained therein at temperatures of from 0° to 50° C and atmospheric pressure.
- 112. (previously presented) The catalyst composition of Claim 74 wherein components a), b) and c) are concurrently introduced into the inert liquid and maintained therein at temperatures of from 0° to 50° C and atmospheric pressure.
- 113. (previously presented) The catalyst composition of Claim 75 wherein components a), b) and c) are concurrently introduced into the inert liquid and

maintained therein at temperatures of from 0° to 50° C and atmospheric pressure.

- 114. (previously presented) The catalyst composition of Claim 83 wherein components a), b) and c) are concurrently introduced into the inert liquid and maintained therein at temperatures of from 0° to 50° C and atmospheric pressure.
- 115. (previously presented) The catalyst composition of Claim 84 wherein components a), b) and c) are concurrently introduced into the inert liquid and maintained therein at temperatures of from 0° to 50° C and atmospheric pressure.
- 116. (previously presented) The catalyst composition of Claim 85 wherein components a), b) and c) are concurrently introduced into the inert liquid and maintained therein at temperatures of from 0° to 50° C and atmospheric pressure.
- 117. (previously presented) The catalyst composition of Claim 92 wherein components a), b) and c) are concurrently introduced into the inert liquid and maintained therein at temperatures of from 0° to 50° C and atmospheric pressure.
- 118. (previously presented) The catalyst composition of Claim 93 wherein components a), b) and c) are concurrently introduced into the inert liquid and maintained therein at temperatures of from 0° to 50° C and atmospheric pressure.
- 119. (previously presented) The catalyst composition of Claim 94 wherein components a), b) and c) are concurrently introduced into the inert liquid and maintained therein at temperatures of from 0° to 50° C and atmospheric pressure.

- 120. (previously presented) The catalyst composition of Claim 97 wherein components a), b) and c) are concurrently introduced into the inert liquid and maintained therein at temperatures of from 0° to 50° C and atmospheric pressure.
- 121. (previously presented) The catalyst composition of Claim 71, 72, 73, 77, 78, 79, 80, 81, 82, 86, 88, 89, 90 or 91 wherein the components a), b) and c) are directly introduced into an olefin polymerization reaction zone.
- 122. (previously presented) The catalyst composition of Claim 74 wherein the components a), b) and c) are directly introduced into an olefin polymerization reaction zone.
- 123. (previously presented) The catalyst composition of Claim 75 wherein the components a), b) and c) are directly introduced into an olefin polymerization reaction zone.
- 124. (previously presented) The catalyst composition of Claim 76 wherein the components a), b) and c) are directly introduced into an olefin polymerization reaction zone.
- 125. (previously presented) The catalyst composition of Claim 83 wherein the components a), b) and c) are directly introduced into an olefin polymerization reaction zone.
- 126. (previously presented) The catalyst composition of Claim 84 wherein the components a), b) and c) are directly introduced into an olefin polymerization reaction zone.

- 127. (previously presented) The catalyst composition of Claim 85 wherein the components a), b) and c) are directly introduced into an olefin polymerization reaction zone.
- 128. (previously presented) The catalyst composition of Claim 92 wherein the components a), b) and c) are directly introduced into an olefin polymerization reaction zone.
- 129. (previously presented) The catalyst composition of Claim 93 wherein the components a), b) and c) are directly introduced into an olefin polymerization reaction zone.
- 130. (previously presented) The catalyst composition of Claim 94 wherein the components a), b) and c) are directly introduced into an olefin polymerization reaction zone.
- 131. (previously presented) The catalyst composition of Claim 97 wherein the components a), b) and c) are directly introduced into an olefin polymerization reaction zone.
- 132. (previously presented) The catalyst composition of Claim 84, 85 or 86 wherein "a" of the aluminum compound is 3.
- 133. (previously presented) A heterogeneous catalyst composition useful in the polymerization of olefins comprising a mixture of:
- a) aluminum compounds selected from at least one aluminum compound represented by the formula:

 $Al(R)_a(Q)_b(D)_c$ 

wherein

R is a hydrocarbyl group;

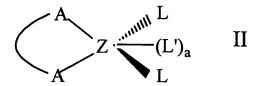
Q is a hydrocarbyloxy group;

D is hydrogen or halogen; and each a, b, c is an integer of 0-3 provided the sum of a+b+c is 3;

- b) an inorganic oxide having from 0.01 to 12 mmole/gram of surface hydroxyl groups; and
- c) a precatalyst selected from at least one transition metal compound selected from the group consisting of a bidentate ligand/ transition metal complex, a tridentate ligand/transition metal complex and mixtures thereof and wherein the transition metal of said complex is Fe, Co, Ni, Ru, Rh, Pd, Os, Ir, Pt, Ti, Zr or Hf; said components being present in amounts to provide 0.001 to 2.1 mmol of aluminum and from 1 to 1000 µmol of transition metal per gram of inorganic

134. (currently amended) The catalyst composition of Claim 133 wherein the transition metal compound is a bidentate ligand/transition metal complex represented by the formula

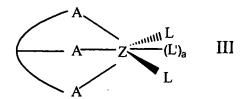
oxide and a mole ratio of aluminum to transition metal of from 1:1 to 25:1.



wherein

- i) each A independently represents an oxygen, sulfur, phosphorus or nitrogen atom of the bidentate ligand;
- ii) Z represents a transition metal selected from the group consisting of Fe, Co, Ni, Ru, Rh, Pd, Os, Ir and Pt in the +2 or +3 oxidation state and Ti, Zr and Hf in the +2, +3 or +4 oxidation state;
- iii) each L and L' independently represents an anioniea ligand group selected from the group consisting of hydrogen, halogen, an unsubstituted or a substituted hydrocarbon radical or both L, together with Z, represents a C<sub>3</sub>-C<sub>24</sub> hydrocarbylene metallocyclic structure; and
- iv) "a" of (L')<sub>a</sub> is an integer of 0, 1 or 2 to provide a neutral transition metal complex.

135. (currently amended) The catalyst composition of Claim 133 wherein the transition metal compound is a tridentate ligand/transition metal complex represented by the formula



wherein

- i) each A independently represents an oxygen, sulfur, phosphorous or nitrogen atom of a tridentate ligand;
- ii) Z represents a transition metal selected from the group consisting of Fe, Co, Ni, Ru, Rh, Pd, Os, Ir and Pt in the +2 or +3 oxidation state and Ti, Zr, and Hf in the +2, +3 or +4 oxidation state;
- iii) each L and L' independently represents an anioniea ligand group selected from the group consisting of hydrogen, halogen, an unsubstituted or a substituted hydrocarbon radical or both L, together with Z represents a C<sub>3</sub>-C<sub>24</sub> hydrocarbylene metallocyclic structure; and
- iv) "a" of (L')<sub>a</sub> is an integer of 0, 1 or 2 to provide a neutral transition metal complex.
- 136. (previously presented) The catalyst composition of claim 134 or 135 wherein each A represents a nitrogen atom, each L and L' is independently a halogen atom, or a hydrocarbyl or mixtures thereof or both L together form a hydrocarbylene metallocyclic group which, with Z, forms a 3 to 7 member ring structure.
- 137. (previously presented) The catalyst composition of Claim 134 or 135 wherein

"a" of the aluminum compound is 1 to 3 and each L of the transition metal compound is a halogen atom.

- 138. (previously presented) The catalyst composition of Claim 134 or 135 wherein at least one L of the transition metal complex is a hydrocarbyl.
- 139. (previously presented) The catalyst of Claim 136 wherein Z is Ni, Pd, Fe or Co.
- 140. (previously presented) The catalyst composition of Claim 134 wherein Z is Ni or Pd and each L is independently a chlorine, bromine, iodine or a  $C_1$ - $C_8$  alkyl group.
- 141. (previously presented) The catalyst composition of Claim 135 wherein Z is iron or cobalt and each L is independently a chlorine, bromine, iodine or a  $C_1$ - $C_8$  alkyl group.
- 142. (previously presented) The catalyst composition of Claim 133 wherein "a" of the aluminum compound is 3.
- 143. (previously presented) The catalyst composition of Claim 134 wherein "a" of the aluminum compound is 3.
- 144. (previously presented) The catalyst composition of Claim 135 wherein "a" of the aluminum compound is 3.
- 145. (previously presented) The catalyst composition of Claim 136 wherein "a" of the aluminum compound is 3.
- 146. (previously presented) The catalyst composition of Claim133 wherein the transition metal is Fe.
- 147. (previously presented) The catalyst composition of Claim 134 wherein the transition metal is Fe.

- 148. (previously presented) The catalyst composition of Claim 135 wherein the transition metal is Fe.
- 149. (previously presented) The catalyst composition of Claim 142, 143 or 144 wherein the transition metal is Fe.
- 150. (previously presented) The catalyst composition of Claim 133 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to  $1000 \text{ m}^2/\text{g}$ .
- 151. (previously presented) The catalyst composition of Claim 142 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to  $1000 \text{ m}^2/\text{g}$ .
- 152. (previously presented) The catalyst composition of Claim 143 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to  $1000 \text{ m}^2/\text{g}$ .
- 153. (previously presented) The catalyst composition of Claim 144 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to  $1000 \text{ m}^2/\text{g}$ .
- 154. (previously presented) The catalyst composition of Claim 145 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to 1000 m<sup>2</sup>/g.

155. (previously presented) The catalyst composition of Claim 146 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to  $1000 \text{ m}^2/\text{g}$ .

156. (previously presented) The catalyst composition of Claim 147 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to  $1000 \text{ m}^2/\text{g}$ .

157. (previously presented) The catalyst composition of Claim 148 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to  $1000 \text{ m}^2/\text{g}$ .

158. (previously presented) The catalyst composition of Claim 149 wherein the inorganic oxide has a total volatile content of 0.1 to about 4 weight percent, surface hydroxyl groups of from 0.1 to 5 mmol/g and a surface area of from 10 to  $1000 \text{ m}^2/\text{g}$ .

159. (previously presented) The catalyst composition of Claim 133, 142, 143, 144 or 150 wherein the inorganic oxide is silica and the transition metal is Fe.

160. (previously presented) The catalyst composition of Claim 133, 142, or 150 wherein said aluminum compound is present in an amount to provide from about 0.01 to 1.9 mmol of Al per gram of inorganic oxide; said transition metal complex is present in an amount to provide from 5 to 500 moles of transition metal per gram of inorganic oxide and said aluminum to transition metal is in a molar ratio of 1:1 to 20:1.

- 161. (previously presented) The catalyst composition of Claim 159 wherein said aluminum compound is present in an amount to provide from about 0.01 to 1.9 mmol of Al per gram of inorganic oxide; said transition metal complex is present in an amount to provide from 5 to 500 moles of transition metal per gram of inorganic oxide and said aluminum to transition metal is in a molar ratio of 1:1 to 20:1.
- 162. (previously presented) A process for forming a heterogeneous catalyst useful in the polymerization of olefins comprising contacting substantially simultaneously in a single reaction zone having an inert liquid, the components comprising:
- a) aluminum compounds selected from at least one aluminum compound represented by the formula

 $Al(R)_a(Q)_b(D)_c$ 

wherein

R is a hydrocarbyl group;

Q is a hydrocarbyloxy group;

D is hydrogen or halogen; and

each a, b, c is an integer of 0-3 provided the sum of a+b+c is 3;

- b) an inorganic oxide having from 0.01 to 12 mmole/gram of surface hydroxyl groups; and
- c) a precatalyst selected from at least one transition metal compound selected from the group consisting of a bidentate ligand/transition metal complex, tridentate ligand/transition metal complex and mixtures thereof and wherein said transition metal is selected from the group consisting of Fe, Co, Ni, Ru, Rh, Pd, Os, Ir, Pt, Ti, Zr and Hf; said components being present in amounts to provide 0.001 to 2.1 mmol of aluminum and from 1 to 1000 µmol of transition metal per gram of inorganic oxide and a mole ratio of aluminum to transition metal of from 1:1 to 25:1.

- 163. (currently amended) The process of Claim 162 wherein the components a), b) and c) are contacted substantially simultaneously concurrently introduced into the inert liquid and maintained therein at a temperature of from 0° to 50 °C and atmospheric pressure.
- 164. (previously presented) The process of Claim 162 or 163 wherein the transition metal is Fe.
- 165. (previously presented) The process of Claim 162 or 163 wherein the inorganic oxide is silica.
- 166. (previously presented) The process of Claim 165 wherein the transition metal is Fe.
- 167. (previously presented) The process of Claim 166 wherein "a" of the aluminum compound is 3.
- 168. (new) The process of Claim 162 wherein the components are introduced into the inert liquid in the order of first component a), followed by component b), and then followed by component c) and recovering a solid mixture from the liquid.

# **FACSIMILE TRANSMISSION COVER SHEET**

DATE: August 30, 2005

TO: Howard Troffkin-

FAX NUMBER: (301)299-4575

VOICE NUMBER: (301)299-9326

FROM: Jenine Brown

MESSAGE: Copy of Office Action mailed 01/18/05 If any problems with this

transmission please contact me at 571-272-1364. Thanks:

NUMBER OF PAGES 4 INCLUDING THIS PAGE.

If you have not received all pages or have other difficulties with this facsimile transmission, please contact me as soon as possible at the following telephone number:

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	THE STATE OF THE S	ATTORNEY DOCKET NO.	CONFIRMATION NO.
APPLICATION NO. FILING DATE	FIRST NAMED INVENTOR		
10/633,509 08/05/2003	Keng Yu Shih	W-9459-02	5197
		EXAM	INEX
Howard L Troffkin	•	BROWN, J	ennine M
W. R. Grace & CoConn.			PAPER NUMBER
		ART UNIT	PAPER NOMBER
Patent Dept.		1755	
7500 Grace Drive		,	•
Columbia, MD 21044-4098		DATE MAILED: 01/18/200	5 .

Please find below and/or attached an Office communication concerning this application or proceeding.

Page 2

Application/Control Number: 10/633,509

Art Unit: 1755

### **Notice of Non-compliant Amendment**

The amendment filed on 10/18/2004 is considered non-compliant because it has failed to meet the requirements of 37 CFR 1.121 as amended on June 30, 2003 (see 68 Fed. Reg. 38611, June 30, 2003). In order for the amendment to be compliant, correction of the following is required. Only the section (1.121(h)) of the amendment containing the omission of non-compliant provision must be resubmitted (in its entirety), e.g. the entire "claim listing" section of applicant's amendment must be re-submitted.

The following item causes the amendment to be non-compliant:

- Applicant has not amended the new claim properly, as any claims added by amendment must be presented in the claim listing with the status identifier "(new)"; the text of the claim must not be underlined. Note the newly added claim is underlined.

Since the non-compliant amendment is a reply to a NON-FINAL OFFICE ACTION, and since the amendment appears to be a bona fide attempt to be a reply (37 CFR 1.121) in order to avoid abandonment. EXTENSIONS OF THIS TIME PERIOD ARE AVAILABLE UNDER 37 CFR 1.136(a).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jennine M. Brown whose telephone number Is (571) 272-1364. The examiner can normally be reached on M-R 9:30 AM -7:30 PM; Fridays off.

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Page 3

Application/Control Number: 10/633,509

Art Unit: 1755

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dave Sample can be reached on (571) 272-1376. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DAVID SAMPLE PRIMARY EXAMINER

jmb

J. Brack



450 No 10/633 509

ATTACHMENT C

US En. No 10/633509

# ALL ATTORNEY'S US AND FOREIGN DOCKET

14-Jan-05

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WDB	O/C		DATE	NO NO	COUNTRY	<del></del>	INVENTOR	ACTION TYPE
RS		1/30/2005		<del>- W9566-02</del>	- India	2967/DELNP/2004		Power of Authority
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WDB		1/30/2005	<del>1/30/2005</del>	<del>- W9530-02</del>	Taiwan	91114137		Response
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WDB ·		1/30/2005		W9675 01	US		Hoefer	Power of Attorney
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WDB		1/30/2005		<del>W9566-02</del>	hidia	2967/DELNP/2004		Section 8(2) Details
RS							,	
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WDB		1/30/2005		W9540-02	India	2973/DELNP/2004		Application Form 1A
RS		175012005			moru	27/3/222/172004		Application Form TA
WDB		1/30/2005		-W9566-02	India	2967/DELNP/2004		Section 8(1) Details
RS		1750/2005		VV 9300-02	шша	290//DELIVE/2004		Section 6(1) Details
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			13005		) CS	6 6 02 C460	17	·
∀DB <del></del>		1/31/2005	1/31/2005	-W9427-01	-Ukraine	2001020871/M		Response
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ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
WDB		2/1/2005		W9552-01	Brazil			Priority Document
RS								
WDB		2/1/2005	<u> </u>	W9001-01	Europe	95250209.4		Power of Attorney - AT, B
RS							· '	CH, ES, IT, NL, & SE
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CAC		2/2/2005	4/2/2005	W9645-01	US	817069	· · · · · · · · · · · · · · · · · · ·	Foreign File
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CAC	BJA	2/2/2005	8/2/2005	W9561-02	US	909706		Foreign File
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LLB					•		·	
WDB	<del>.</del> .	2/2/2005			Europe	1355856		Rhodia - Watch
RS		21212003			Zarope			, <u>, , , , , , , , , , , , , , , , , , </u>
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CAC		2/3/2005	8/3/2005	W9564-01	РСТ	US04/03006		Chapter II National Stage Entry
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VDB		2/3/2005		W9682-00			Herrig	Review
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AC		2/5/2005	3/4/2005	W9483-01	- Europe	00965178.7		Response and Requesting
PD							,	further Processing
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AC		2/3/2003			-US	625544	-Ziebarth	Inventor Award
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VDB .		2/5/2005		·	US	2004/0106180 A1		Patent Watch Reminder
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'DB		2/5/2005			Europe	WO2004/0436649A		Patent Watch
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AC I	BJA	2/5/2005	4/5/2005	W9478-02	US	236267	Roberie	Appeal Brief
PD	DJA	2/3/2003	4/5/2005	W9476-02	03	230207	Roberte	/ Appeal Biles
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/DB		2/6/2005	4/6/2005	W9305-06	US	615998	Pryor	Office Action
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CAC	BJA	2/6/2005		W9478-01	US	649627	Roberie	Recordation of Mobil
DPD			,					
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CAC	2	/7/2005		W9484-01	Japan	2001-546840		Assignment - owned by
OPD								Mobil & Grace
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WDB.	· · · · · · · · · · · · · · · · · · ·	77/2005 2	77/2005 V	V9447-03	China	01811444.X		Two Mth Ext -Response

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CAC	ВЈА	2/8/2005	3/8/2005	W9517-01	US .	901939	Roberie	Office Action
WDB		2/8/2005	<del></del>	W9495-01	Europe	02794863.7		Copy of International Preliminary Examination
RS								Report (IPER)
WDB RS		2/9/2005	2/9/2005	W9298-01	Norway	19986146		Response
WDB	_	2/9/2005	2/9/2005	W9553-02	Argentina	P030100966		
RS					Argentina	P030100960		Priority Application has been Granted
WDB RS		2/9/2005	2/9/2005	W9413-02	China	99812283.1		Two Mth Ext -Office Action
WDB RS		2/9/2005	2/9/2005	W9298-01	Argentina	P970102830	<u> </u>	Priority Application has been Granted
WDB RS	2	2/9/2005	2/9/2005	W9427-01	Argentina	P990103351	-	Priority Application has been Granted
VDB	2	/9/2005	2/9/2005	W9413-02	Argentina	P990103352		Priority Application has been Granted
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WDB		2/9/2005	2/9/2005	W9566-02	Argentina	P030100963		Priority Application has been Granted
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WDB		2/9/2005	2/9/2005	W9539-02	Argentina	P030100964	·	Priority Application has been
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WDB		2/9/2005	2/9/2005	W9540-02	Argentina	P030100965		Priority Application has beer Granted
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WDB		2/9/2005	2/9/2005	W9552-01	Argentina	P030101926		Priority Application has beer Granted
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CAC	нлт	2/9/2005	2/9/2005	W9577-01	Argentina	P030104759		Priority Application has been Granted
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CAC	нјт	2/9/2005	2/9/2005	W9515-01	Argentina	P020101317		Priority Application has been
LLB								Granted
CAC	нјт	2/9/2005	2/9/2005	W9479-01	Argentina	P020101316		Priority Application has been
LLB					•			Granted
WDB RS	<u> </u>	2/9/2005	3/9/2005	W9646-01	US	114528		Notice of Appeal

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LLB								Oranica
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WDB		2/10/2005		W9495-01	US	929621	Wormsbecher	File a CIP
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WDB		2/10/2005	8/10/2005		Europe	1252095		Possible Opposition
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WDB		2/10/2005			Europe	1171509		Follow up - Opposition
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WDB		2/11/2005	2/11/2005	W9643-02	PCT	US04/21998		DEMAND
RS								
WDB		2/12/2005		W9530-02	Poland	P.366825		Power of Attorney
RS								
WDB		2/12/2005	2/12/2005	W9261-01	Germany	19805358.4		Request for Examination
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CAC B	JA 2/13/2005	2/13/2005	W9494-01	Brazil	PI 0207174-6	Request for Examination
LLB						
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CAC B	JA 2/13/2005	2/13/2005	-W9494-01	Japan	- 2002-568665	Request for Examination
LLB				•		
WDB	2/13/2005	2/13/2005	W9495-01	Canada	2457730	Assignment Document
RS					1002004/045501A2	· Patent note
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WDB	2/15/2005	2/15/2005	W9427-01	Europe	99928814.5	Response
RS VAC BT	S0.41.5 A	574.05	10814V	103 VS	346316	FF
WDB	2-14-05				PPC 220 PORCOW	Naten
RAM H	JT 2/17/2005	2/17/2005	W9509-02	US	120291 Shih	Issue fee
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CAC S	1773 21505	4-1505	WELZY	01,15	824913	FF
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RAM H	JT 2/17/2005	2/17/2005	W9514-02	US	120310 Shih	Issue Fee
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CAC	2/18/2005	2/18/2005	W9484-01	Australia	21031/01	Order for Acceptance
DPD CAC	216-05	31605	Wast	10-01 VS	801424 Ju	<del>CF</del>
1003	2.17.05	:	W9533	22 /20	postran winth new	1 Declaration
WDB	2/18/2005	2/18/2005	W9425-01	Europe	99920682.4	Oral Proceedings
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CAR HOT 2190	5 61905	W9569	301 PC	VSU3 / 39	368.	Clepte 2.
CAC 2/20/2005	2/20/2005	W9489-01	Brazil	P10207856-2		Request for Examination
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WDB 2/22/2005	2/22/2005		Europe	0880989		Response
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WDB 2/23/2005	2/23/2005	W9498-01	Canada	2458308		Assignment Document
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CAC BTA 2.2	·05 4/21/0	15 W916	250, Pc	- L303/3	3477	Cheetra
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CAC BJA 2/24/2005	2/24/2005	W9556-02	US .	642924	Yaluris	Issue fee
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CAC BJA 2/25/2005	2/25/2005	W9463-02	China	99122963.0		Response
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WDB	2/28/2005	2/28/2005	W9495-01	Croatia	P20040148		Request for Examination
rs WT3	2-22-25		Washo s		n Aprica	7818/ HONE	pederat
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WDB	2/28/2005	2/28/2005	W9528-01	Hungary	P0204138		Request for Examination
rs WDB	2.2205		MAZNOV	A.	AL Africa	म्बह्मिक्ट .	Assign
WDB	2.725		MANO	رن ح			Copy of 1 PER
CAC BJA	2/28/2005	5/30/2005	W9556-03	US	837846	Yaluris	Office Action
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WDB	2/28/2005		W9695-00				Discussion to File
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CAC BJA	2/28/2005	2/28/2005	W9440-01	South Korea	2000-7012173		Request for Examination
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CAC BJA	2/28/2005	2/28/2005	W9440-01	Canada	<del>-2331123</del>		Request for Examination
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CÀC	3/5/2005	3/5/2005	W9401-01	Europe	99930212.8	<u>.</u>	Response
WP 5	22405		W95301	South	Main :	204/11373	( Com 60 1 ( E)
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WLB HJT	3/6/2005	3/6/2005	W8797-02	Europe	96942911.7		Response to Examination Report
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RAM HJT	3/7/2005	3/7/2005	W9520-02	Europe	02751958.6		File in Hong Kong
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WDB	3/9/2005	3/9/2005	W9525-01	Canada	2164208		Grant fees
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CAC	3/16/2005	3/16/2005	W9489-01	Australia	2002244121		File Normal or Modified Examination	
CAC BS	A 3-1605	3.16.05	WATES	is 15	181410	Cheng	Ids	
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WDB	3/19/2005	3/19/2005	W9540-02	China	0381143	A.9	Request for Examination	
rs CAC S	SA 22805		109517-01	tobas	~ 0400	1078	IPER.	
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CAC HJ	T 3/19/2005	3/19/2005	W9563-01	PCT	US03/39368		Reminder for IPER &	
LLB CAC	3.72.05	3,30.05	LU45711	01 PC	colpaceu	OSR	Written Opinion  We see How Opin	
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CAC HJ		3/27/2005	W9515-01	Indonesia	W-00200301991		Request for Examination	
LLB WD3	3.28 02						Ser 2(1) Er	
WB	3.28.05		W9315 cs	. Chdue	- 1914 D	POORTENIS	Pourofenty	5
CAC HJ	T 3/27/2005	2 10 2 10 0 0 5	*****	1.4	NV 00200201002		Dequest for Evernination	
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(AC 14:	ST 328.05	3.08 45	W9515	or VS	833613	Cheng	15 Sue Ju	
CAC HJ	T 3/28/2005	3/28/2005	W9479-01	Czech Republic	PV2003-2731	υ	Request for Examination	
いりら	3.30.55	3.30.45	W933.	12 VS	391287		Bulgu	
WD3	3.3005	33005	1,0976	کی جن جا	391270	Freye		
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ATTY ASST O/O	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
WDB	4/1/2005		W9721-10	US	427812		Rec'd Office Action
rs WD3	2.98 nZ		W9539	حربه	ما 🕰 📗 ــــــ	7 IDELAT) 2001	34 Suh 8(2) and
w03	2.2805		M9 20 F. C.	2 Ohdu	- 2967	DELAP 1200	ou formin
CAC	4/7/2005	10/7/2005	W9571-01	PCT	US04/09850		Chapter II National Stage Entry
DPD C(W)	2.0805		WG 566 V	a Cholie	296710	ور ۹ م	for ser of cutter
WD3	3.8808	$\mathcal{M}$	9675-01	VS		Holf	Your Yarty
WDB	4/8/2005	4/8/2005	W9298-01	Canada	2258881		Response
RS WDB	2.22.05	ı	W9 <b>5</b> 66	02 Ohde	= 29675	الال ۱۹ ) محدد	( Sah 3(2) Rotas
wD3	2.22.05	, ·	W9540-S	s Ind	2973/1	Pecal ARIBO	Goen 1 A
WDB	4/11/2005	4/11/2005	W9465-01	South Korea	2001-7013004		Request for Examination
RS WD3	2.38.05		W9566	on chola	2967D	ELMPISOOY	Seal 3 (1) cotos
WD3	2805		W9540.	on order	1973/7	SEL MP) sou	You so by atty
CAC Fin	neg 4/11/2005	10/11/2005	W9637-01	PCT	US03/14635		Chapter II National Stage Entry
DPD B CUN	Z. X8/05		·		• .		invates-bapersed
RAM	4/13/2005	4/13/2005	W9433-02	India	2002,00798/MUM		Order for Acceptance
LLB	.Jes 4-140	<b>3</b> 41474	5 W 4719	iux Com	de 23232	87	Issurfic
(MD)							
WDB	4/16/2005	4/16/2005	W9429-02	Germany	19826209.4		Response
RS			•				
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WDB	4/17/2005	4/17/2005	W9566-02	China	038114	38.0	Request for Examination
RS	4/1//2003	<del>7</del> 11112003	** >500-02		028111		•
WDB	4/18/2005	4/18/2005	W9447-03	Malaysia	PI20011852		Modified Examination
RS						·	

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
WDB		4/20/2005	4/20/2005	W9425-01	Germany	19817257.5		Response
RS							· ·	
WDB		4/23/2005	10/23/2005	W9711-01	PCT	US04/11960		Chapter Il National Stage Entry
RS					•			,
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CAC	BJA	5/2/2005	11/2/2005	W9558-01	US	624492		Foreign File
LLB	<b>D37</b> 1		,					
CAC	BJA	5/2/2005	11/2/2005	W9558-01	US	624492	Yaluris	Filing Regular Application
LLB		•						
•								
CAC	•	5/3/2005	5/3/2005	W8240-01	Canada	2111400		Response
DPD					·			
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CAC		5/3/2005	5/3/2005	W7860-01	Canada	2111399		Response
DPD								
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CAC		5/4/2005	5/4/2005	W8241-01	Canada	2111398		Response
DPD								
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CAC		5/5/2005	11/5/2005	W9680-01	US	625544		Filing Regular Application
DPD			•	•		•		
			:					
CAC		5/5/2005	11/5/2005	W9680-01	US	625544		Foreign File
DPD								

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
WDB		5/11/2005	5/11/2005	W9643-02	PCT	US2004/021998		Response to PCT Written Opinion
RS		•						
								•
		511212005	5/13/2005	W9448-02	India	2002,00801/MUM		Order for Acceptance
RAM LLB		5/13/2005	3/13/2003	W 9440-02	nioiu		•	
								· · · · · · · · · · · · · · · · · · ·
RAM	НЈТ	5/16/2005	5/16/2005	W8903-01	Canada	2266910		Final Fees
LLB			·					
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					<u>-</u>	02714244 5		File in Hong Kong
WDB	•	5/22/2005	5/22/2005	W9540-02	Europe	03714244.5	•	The management
RS			,					
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WDB	-	5/29/2005	5/29/2005	W9539-02	Eruope	03716724.4		File in Hong Kong
RS								
								Request for Examination
WDB		5/31/2005	5/31/2005	W9552-01	China			Request for Examination
RS						•		·
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CAC	BJA	6/1/2005	12/1/2005	W9557-02	US	632044	Yaluris	Foreign File
LLB	20	02000						•
			·			(2004)	Yaluris	Filing Regular Application
CAC	ВЈА	6/1/2005	12/1/2005	W9557-02	US	632044	) alulis	Time regular rippinguior
LLB								
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RAM	нјт	6/6/2005	6/6/2005	W9482-01	Australia	2002245309		Search Results
LLB							•	
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ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO INVENTOR	ACTION TYPE
WDB RS	Brinks	6/6/2005	6/6/2005	W9709-01	РСТ	1504/3711Z	DEMAND
CAC LLB	ВЈА	6/6/2005	6/6/2005	W9561-02	PCT	US04/36642	DEMAND
WDB RS		6/7/2005	6/7/2005	W9425-01	Malaysia	PI 9901501	Response to Examination Report
WDB RS	<u></u>	6/9/2005	6/9/2005	W9526-01	Australia	2002238441	Search Results
WDB RS		6/12/2005	6/12/2005	W9429-01	Germany	19815564.6	Response
WDB		6/16/2005	6/16/2005	W9443-02	India	2001,00089/MUM	Order for Acceptance
RS CAC	(STE	05مالط ا	15-18-12	WAYLES	, i3 VS	013481	FF
WLB LLB	нлт	6/18/2005	6/18/2005	W8797-02	India	2785/DEL/96	Order for Acceptance
WDB RS		6/19/2005	6/19/2005	W9566-02	Europe	03714239.5	File in Hong Kong
RAM LLB	нLС	6/20/2005	6/20/2005	W9652-02	РСТ	US04/38529	DEMAND

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO INVENTOR	ACTION TYPE
WDB RS		6/22/2005	6/22/2005	W9298-02	Japan	508696/99	Request for Examination
WDB RS		6/25/2005	6/25/2005	W9261-01	Germany	19805358.4	Office Action
WDB RS		6/28/2005	6/28/2005	W9530-02	Brazil	P10210819-4	Request for Examination
WDB RS		6/28/2005	6/28/2005	W9530-02	Japan	510733/03	Request for Examination
WDB RS	<u>.</u>	6/30/2005	6/30/2005	W9543-01	Canada	2472147	Assignment Document
WDB RS VD3		6/30/2005 6/30/2005	6/30/2005	W9530-02	Argentina	P020102498	Request for Examination  F. F  File Geg most -
ean	1	6.3005	123005	W9675	·01 US	V40693	file geg mppla
WDB RS		7/4/2005	7/4/2005	W9530-02	Malaysia	PI20022540	Full Examination
WDB RS	Brink	s 7/6/2005	7/6/2005	W9709-01	PCT	US04   37 112	CHAPTER I NATIONAL STAGE ENTRY
CAC LLB	ВЈА	7/6/2005	7/6/2005	W9561-02	PCT	US04/36642	CHAPTER I NATIONAL STAGE ENTRY

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
CAC		7/7/2005	7/7/2005	W9571-01	PCT	US04/09850		Reminder for IPER & Written Opinion
DPD								Winter Opinion
CAC	BJÀ	7/8/2005	7/8/2005	W9440-01	India	2000,00549/MUM		Order for Acceptance
LLB								·
CAC DPD	ВЈА	7/8/2005	7/8/2005	W9517-01	Indonesia	W-00 2004 00045		Request for Examination
CAC DPD	ВЈА	7/9/2005	7/9/2005	W9517-01	Japan	512337/03		Request for Examination
			<del></del>	· · ·				
CAC DPD	ВЈА	7/9/2005	7/9/2005	W9517-01	Brazil	P10210972-7		Request for Examination
						1		
WDB		7/11/2005	1/11/2006	W9643-02	PCT	US04/21998		Chapter Il National Stage Entry
RS								
CAC	· .	7/11/2005	7/11/2005	W9637-01	PCT	US03/14635		Reminder for IPER & Written Opinion
DPD								· ·
RAM LLB	HLC	7/20/2005	7/20/2005	W9652-02	PCT	US04/38529		CHAPTER I NATIONAL STAGE ENTRY
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O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO INVENTOR	ACTION TYPE
BJA	9/18/2005	9/18/2005	W9478-01	Australia	75886/00	Request for Examination
			•			
ВЈА	9/18/2005	9/18/2005	W9478-01	Canada	2385439	Request for Examination
BJA	9/18/2005	9/18/2005	W9478-01	South Korea	2002-7003717	Request for Examination
				•		
-	9/20/2005	9/20/2005	W9483-01	Canada	2384030	Request for Examination
	10/2/2005	10/2/2005	W9427-01	Thailand	051514	Substantive Examination
	10/5/2005	10/5/2005	W9543-01	New Zealand	533911	Date Formal Request for Entry into National Phase to be Filed
	10/11/2005	10/11/2005	W9643-02	PCT	US04/21998	Reminder for IPER & Written Opinion
нлт	10/13/2005	10/13/2005	W9323-01	Singapore	200305913-6	Grant fees
	ВЈА	BJA 9/18/2005  BJA 9/18/2005  9/20/2005  10/2/2005  10/5/2005	O/C       DUE DATE       DATE         BJA       9/18/2005       9/18/2005         BJA       9/18/2005       9/18/2005         BJA       9/18/2005       9/20/2005         10/2/2005       9/20/2005         10/2/2005       10/2/2005         10/5/2005       10/5/2005         10/11/2005       10/11/2005	O/C         DUE DATE         DATE         NO           BJA         9/18/2005         9/18/2005         W9478-01           BJA         9/18/2005         9/18/2005         W9478-01           BJA         9/18/2005         9/18/2005         W9478-01           9/20/2005         9/20/2005         W9483-01           10/2/2005         10/2/2005         W9427-01           10/5/2005         10/5/2005         W9543-01	O/C         DUE DATE         DATE         NO         COUNTRY           BJA         9/18/2005         9/18/2005         W9478-01         Australia           BJA         9/18/2005         9/18/2005         W9478-01         Canada           BJA         9/18/2005         9/18/2005         W9478-01         South Korea           9/20/2005         9/20/2005         W9483-01         Canada           10/2/2005         10/2/2005         W9427-01         Thailand           10/5/2005         10/5/2005         W9543-01         New Zealand           10/11/2005         10/11/2005         W9643-02         PCT	O/C         DUE DATE         DATE         NO         COUNTRY         DOCUMENT NO         INVENTOR           B1A         9/18/2005         9/18/2005         W9478-01         Australia         75886/00           BJA         9/18/2005         9/18/2005         W9478-01         Canada         2385439           BJA         9/18/2005         9/18/2005         W9478-01         South Korea         2002-7003717           9/20/2005         9/20/2005         W9483-01         Canada         2384030           10/2/2005         10/2/2005         W9427-01         Thailand         051514           10/5/2005         10/5/2003         W9543-01         New Zealand         533911           10/11/2005         10/11/2005         W9643-02         PCT         US04/21998

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
CAC LLB	нлт	10/13/2005	10/13/2005	W9488-01	Singapore	200305993-8		Grant fees
CAC LLB	НЈТ	10/13/2005	10/13/2005	W9479-01	Singapore	200305859-1		Grant Fees
CAC	нлт	10/13/2005	10/13/2005	W9515-01	Singapore	200305994-6		Grant fees
LLB				:				
RAM LLB	нјт	10/19/2005	10/19/2005	W9459-01	South Korea	2002-7005582		Request for Examination
MDe	•	11-29-05	11-29-05	W9524	or Canac	do-		Assur
WDB		12/6/2005	5/6/2006	W9709-01		504/37112	<u></u> -	Chapter Il National Stage
RS								Entry
CAC	ВЈА	12/6/2005	5/6/2006	W9561-02	PCT	US04/36642	<del></del>	Chapter Il National Stage Entry
LLB							·	
CAC DPD		12/15/2005	12/15/2005	W9484-01	Canada	2392923	· ·	Request for Examination
CAC		12/15/2005	12/15/2005	W9484-01	Australia	21031/01		Request for Examination
DPD								
RAM LLB		12/18/2005	12/18/2005	W9448-02	South Korea	2002-7008050		Request for Examination

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
RAM ·		12/18/2005	12/18/2005	W9433-02	South Korea	2002-7008118		Request for Examination
TB								
RAM	HLC	12/20/2005	5/20/2006	W9652-02	PCT	US04/38529		Chapter II National Stage Entry
LLB								
				,				
WDB	<del></del>	12/20/2005	12/20/2005	W9543-01	Brazil	PI0215442-0		Request for Examination
RS								
WDB		12/20/2005	12/20/2005	W9543-01	Japan	556164/03		Request for Examination
RS								
WDB		12/20/2005	12/20/2005	W9543-01	Russain	2004123633		Request for Examination
RS					Federation			
CAC		1/2/2006	1/2/2012	•				Annual Aquamend Royalt Due
DPD			,				•	
		1/10/2004	1/10/2004	W0517.01	Sinonon	200400005-5 .		Grant fees
CAC DPD	BJA	1/10/2006	1/10/2006	W9517-01	Singapore	200400003-3		Grain rees
WDB		1/18/2006	1/18/2006	W9413-02	Thailand	051565		Substantive Examination
RS							•	
			•					
WDB		2/3/2006	2/3/2006	W9261-01	Japan	531497/00		Request for Examination
RS			•					

O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
Brinks	2/6/2006	2/6/2006	W9709-01	PCT	VS04/37112		Reminder for IPER & Written Opinion
BJA	2/6/2006	2/6/2006	W9561-02	PCT	US04/36642		Reminder for IPER & Written Opinion
	2/11/2006	2/11/2006	W9391-01	Japan	2000-533469		Request for Examination
ВЈА	2/13/2006	2/13/2006	W9494-01	India	746/MUMNP/2003	,	Request for Examination
HLC	2/20/2006	2/20/2006	W9652-02	РСТ	US04/38529		Reminder for IPER & Written Opinion
						·	
	2/20/2006	2/20/2006	W9489-01	India	760/MUMNP/2003		Request for Examination
							·
*.	2/27/2006	2/27/2006	W9527-01	Canada	2401841		Request for Examination
	2/27/2006	2/27/2006	W9527-01				Request for Examination
							Substantive Examination
	3/6/2006	3/6/2006	W9425-01	Thailand	049928		Substantive Examination
	BJA BJA	Brinks 2/6/2006  BJA 2/6/2006  2/11/2006  HLC 2/20/2006  2/20/2006  2/27/2006	O/C DUE DATE DATE  Brinks 2/6/2006 2/6/2006  BJA 2/11/2006 2/11/2006  BJA 2/13/2006 2/11/2006  HLC 2/20/2006 2/20/2006  2/20/2006 2/20/2006  2/27/2006 2/27/2006	O/C         DUE DATE         DATE         NO           Brinks         2/6/2006         2/6/2006         W9709-01           BJA         2/6/2006         2/6/2006         W9561-02           BJA         2/11/2006         2/11/2006         W9391-01           BJA         2/13/2006         2/13/2006         W9494-01           HLC         2/20/2006         2/20/2006         W9652-02           2/20/2006         2/20/2006         W9489-01           2/27/2006         2/27/2006         W9527-01	O/C         DUE DATE         DATE         NO         COUNTRY           Brinks         2/6/2006         2/6/2006         W9709-01         PCT           BJA         2/6/2006         2/6/2006         W9561-02         PCT           2/11/2006         2/11/2006         W9391-01         Japan           BJA         2/13/2006         2/13/2006         W9494-01         India           HLC         2/20/2006         2/20/2006         W9652-02         PCT           2/20/2006         2/20/2006         W9489-01         India           2/27/2006         2/27/2006         W9527-01         Canada           2/27/2006         2/27/2006         W9527-01         South Kores	O/C         DUE DATE         DATE         NO         COUNTRY         DOCUMENT NO           Brinks         2/6/2006         2/6/2006         W9709-01         PCT         VSON 3711 7           BJA         2/6/2006         2/6/2006         W9561-02         PCT         US04/36642           BJA         2/11/2006         2/11/2006         W9391-01         Japan         2000-533469           BJA         2/13/2006         2/13/2006         W9494-01         India         746/MUMNP/2003           HLC         2/20/2006         2/20/2006         W9652-02         PCT         US04/38529           2/27/2006         2/20/2006         W9489-01         India         760/MUMNP/2003           2/27/2006         2/27/2006         W9527-01         Canada         2401841	O/C         DUE DATE         DATE         NO         COUNTRY         DOCUMENT NO         INVENTOR           Brinks         2/6/2006         2/6/2006         W9709-01         PCT         VS ON 3711 72         W9501 12           BJA         2/6/2006         2/6/2006         W9561-02         PCT         USO4/36642           BJA         2/13/2006         2/13/2006         W9391-01         Japan         2000-533469           BJA         2/13/2006         2/13/2006         W9494-01         India         746/MUMNP/2003           HLC         2/20/2006         2/20/2006         W9652-02         PCT         USO4/38529           2/20/2006         2/20/2006         W9489-01         India         760/MUMNP/2003           2/27/2006         2/27/2006         W9527-01         Canada         2401841           2/27/2006         2/27/2006         W9527-01         South Korea         2002-7011548

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ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO INVENTOR	R ACTION TYPE
WDB RS		3/13/2006	3/13/2006	W9540-02	Taiwan	92105498	Substantive Examination
WDB		3/13/2006	3/13/2006	W9553-02	Taiwan	92105499	Substantive Examination
RS		3/13/2000	3,13,2000		, u.v.u.	, <u>-1.4.</u>	
WDB		3/18/2006	3/18/2006	W9566-02	Argentina	P030100963	Request for Examination
RS							
WDB RS		3/18/2006	3/18/2006	W9539-02	Argentina	P030100964	Request for Examination
WDB RS	<u></u>	3/18/2006	3/18/2006	W9553-02	Argentina	P030100966	Request for Examination
WDB RS		3/18/2006	3/18/2006	W9540-02	Argentina	P030100965	Request for Examination
N3							
WDB RS	***************************************	3/18/2006	3/18/2006	W9539-02	Taiwan	92105923	Substantive Examination
WDB RS		3/19/2006	3/19/2006	W9540-02	Brazil	P10308560-0	Request for Examination
WDB RS		3/19/2006	3/19/2006	W9539-02	Brazil	P10308558-9	Request for Examination

O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO INVENTOR	ACTION TYPE
	3/19/2006	3/19/2006	W9553-02	Japan	578471/03	Request for Examination
	3/19/2006	3/19/2006	W9553-02	Russian Federation	2004130834	Request for Examination
	3/19/2006	3/19/2006	W9539-02	Japan	578155/03	Request for Examination
	3/19/2006	3/19/2006	W9539-02	Russian Federation	2004130835	Request for Examination
	3/19/2006	3/19/2006	W9566-02	Russian Federation	·	Request for Examination
	3/19/2006	3/19/2006	W9566-02	Japan	585981/03	Request for Examination
	3/19/2006	3/19/2006	W9540-02	Japan	578154/03	Request for Examination
	3/19/2006	3/19/2006	W9553-02	Brazil	P10308557-0	Request for Examination
	O/C	3/19/2006 3/19/2006 3/19/2006 3/19/2006 3/19/2006	O/C DUE DATE 3/19/2006  3/19/2006 3/19/2006  3/19/2006 3/19/2006  3/19/2006 3/19/2006  3/19/2006 3/19/2006	O/C DUE DATE DATE NO  3/19/2006 3/19/2006 W9553-02  3/19/2006 3/19/2006 W9553-02  3/19/2006 3/19/2006 W9539-02  3/19/2006 3/19/2006 W9566-02  3/19/2006 3/19/2006 W9566-02	O/C         DUE DATE         DATE         NO         COUNTRY           3/19/2006         3/19/2006         W9553-02         Japan           3/19/2006         3/19/2006         W9553-02         Russian Federation           3/19/2006         3/19/2006         W9539-02         Japan           3/19/2006         3/19/2006         W9539-02         Russian Federation           3/19/2006         3/19/2006         W9566-02         Russian Federation           3/19/2006         3/19/2006         W9566-02         Japan	O/C         DUE DATE         DATE         NO         COUNTRY         DOCUMENT NO         INVENTOR           3/19/2006         3/19/2006         W9553-02         Japan         578471/03           3/19/2006         3/19/2006         W9553-02         Russian Federation         ADOL 1 202 204           3/19/2006         3/19/2006         W9539-02         Japan         578155/03           3/19/2006         3/19/2006         W9539-02         Russian Federation         ADOL 1 202 204           3/19/2006         3/19/2006         W9566-02         Russian Federation           3/19/2006         3/19/2006         W9566-02         Japan         585981/03           3/19/2006         3/19/2006         W9540-02         Japan         578154/03

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ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO INVENTOR	ACTION TYPE
WDB ·		3/19/2006	3/19/2006	W9540-02	Russian Federation	20836	Request for Examination
RS							
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WDB		3/19/2006	3/19/2006	W9566-02	Brazil	PI0308561-9	Request for Examination
RS					•		·
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CAC	нјт	3/28/2006	3/28/2006	W9323-01	India	770/MUMNP/2003	Request for Examination
LLB				-			
CAC	НЈТ	3/28/2006	3/28/2006	W9488-01	India	829/MUMNP/2003	Request for Examination
LLB							
CAC	нјт	3/28/2006	3/28/2006	W9479-01	India	761/MUMNP/2003	Request for Examination
LLB							•
CAC	нјт	3/28/2006	3/28/2006	W9515-01	India	832/MUMNP/2003	Request for Examination
LLB							
WDB		3/31/2006	3/31/2006	W9429-01	Japan	2000-540923	Request for Examination
RS		·	•			•	
		•					
WDB		4/10/2006	4/10/2006	W9566-02	Taiwan	92108242	Substantive Examination
RS							
							•
WDB	-	4/11/2006	4/11/2006	W9447-03	Canada	2406958	Request for Examination
RS							

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TTY SST	O/C 1	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
'DB		4/11/2006	4/11/2006	W9447-03	South Korea	2020-7013988		Request for Examination
S								
/DB		4/16/2006	4/16/2006	W9425-01	Japan	2000-544734		Request for Examination
.S								
		•						
VDB	Brinks	5/4/2006	5/4/2006	W9718-01	Japan	2000-546862		Request for Examination
lS.					•			
VDB		5/23/2006	5/23/2006	W9552-01	Japan 5	उठरा३५ । ०५		Request for Examination
s ·		•			_	•		· .
VDB		5/23/2006	5/23/2006	W9552-01	Brazil O	7103114813		Request for Examination
RS				٠.	`,			
WDB		5/28/2006	5/28/2006	W9552-01	Taiwan	92114383		Request for Examination
RS								
WDB		5/28/2006	5/28/2006	W9460-01	Germany	19924453.7		Request for Examination
RS	-							
						·		
WDB		5/29/2006	5/29/2006	W9552-01	Argentina	P030101926		Request for Examination
RS							•	:
		٠						
CAC		6/10/2006	6/10/2006	W9401-01	Japan	2000-558193		Request for Examination
DPD								

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO INVENTOR	ACTION TYPE
WDB		6/22/2006	6/22/2006	W9427-01	Turkey	2001/17	Request for Examination
RS							
WDB		6/22/2006	6/22/2006	W9427-01	Japan	2000-558981	Request for Examination
RS							
WDB		6/28/2006	6/28/2006	W9530-02	India	0012/DELNP/2004	Request for Examination
RS						•	
							•
WDB	<del></del>	7/4/2006	7/4/2006	W9530-02	Malaysia	Pl20022540	Modified Examination
RS							
WDB		7/7/2006	7/7/2006	W9413-02	Japan	2000-559049	Request for Examination
RS						I.	· · ·
							•
							Request for Examination
WDB		7/7/2006	7 <i>/7/</i> 2006	W9413-02	Turkey	2001/18	Request for Examination
RS							
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WDB		7/8/2006	7/8/2006	W9443-02	Japan	2000-558983	Request for Examination
RS						•	•
						• .	
	•						
CAC	BJA	7/9/2006	7/9/2006	W9517-01	India	00011/MUMNP/200	Request for Examination
DPD							
		٠					
CAC	DIA	7/12/2006	7/12/2006	W9393-01	Japan	2000-562135	Request for Examination
CAC DPD	ВЈА	7/12/2006	111212000	** >5>5-0!	*up		
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ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
WDB		7/15/2006	7/15/2006	W9643-02	Malaysia	P120042824		Request for Examination
ŖS								•
CAC	Mobil	7/22/2006	7/22/2006	W9435-01	Japan	2000-562334		Request for Examination
DPD								
				•			·	
RAM		8/9/2006	8/9/2006	W9655-01	Japan	2000-563704		Request for Examination
LLB								
WDB		8/12/2006	8/12/2006	W9495-01	India	00343/DELNP2004		Request for Examination
RS		•				. ·		٠
WDB		9/19/2006	9/19/2006	W9553-02	Singapore	200405222.1	<u> </u>	Grant fees
RS			•					
WDB	<u> </u>	9/19/2006	9/19/2006	W9539-02	Singapore	200405220-5		Grant fees
RS	,							
•								
WDB		9/19/2006	9/19/2006	W9540-02	Singapore	200405219-7		Grant fees
RS								
RAM	нлт	10/1/2006	10/1/2006	W9441-01	Japan	2000-574578	,	Request for Examination
LLB	•							
			· ·					
WDB		10/17/2006	10/17/2006	W9566-02	Singapore	200405221-3		Grant fees
RS								·

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO INVENTOR	ACTION TYPE
CAC LLB	BJA	10/20/2006	10/20/2006	W9556-01	Taiwan .	92129006	Substantive Examination
CAC LLB	ВЈА	10/20/2006	10/20/2006	W9557-01	Taiwan	92129005	Substantive Examination
CAC LLB	ВЈА	10/20/2006	10/20/2006	W9625-01	Taiwan .	92129003	Substantive Examination
WDB RS	· ·	10/21/2006	10/21/2006	W9447-02	Japan	577250/00	Request for Examination
WDB RS		12/14/2006	12/14/2006	W9526-01	Canada	2436690	Request for Examination
CAC LLB	- <del>1</del> 17	12/17/2006	12/17/2006	W9577-01	Taiwan	92135729	Request for Examination
CAC LLB	нлт	12/18/2006	12/18/2006	W9563-01	Taiwan	92135939	Request for Examination
CAC LLB	нлт	12/18/2006	12/18/2006	W9577-01	Argentina	P030104759	Substantive Examination
CAC LLB	нут	12/18/2006	12/18/2006	W9563-01	Argentina	P030104758	Substantive Examination

ATTY ASST	O/C	DUE DATE	MAX TERM	I NEW CASE	; COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
WDB RS		12/20/2006	12/20/2006	W9543-01	lndia	1914/DELNP/2004		Request for Examination
RAM		12/20/2006	12/20/2006	W9408-01	Japan	589280/00		Request for Examination
LLB								
WDB RS		12/22/2006	12/22/2006	W9413-02	Turkey	01/18		Patent to Use
CAC DPD	ВЈА	12/23/2006	12/23/2006	W9463-02	Germany	19962669.3		Request for Examination
CAC DPD		1/23/2007	1/23/2007	W9483-01	Thailand	060560		Substantive Examination
RAM LLB	нлт	1/25/2007	1/25/2007	W9482-01	Canada	2473739 .		Request for Examination
CAC DPD		2/2/2007	2/2/2007	W9564-01	Taiwan	93102285		Request for Examination
CAC LLB	ВЈА	2/13/2007	2/13/2007	W9494-01	South Korea	2003-701695		Request for Examination
CAC LLB	ВЈА	2/13/2007	2/13/2007	W9494-01	Australia	2002255584		Request for Examination
				•				

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE	COUNTRY	DOCUMENT NO INVENTOR	ACTION TYPE
CAC	BJA	2/13/2007	2/13/2007	W9494-01	Canada	2438700	Request for Examination
LLB							
CAC		2/20/2007	2/20/2007	W9489-01	Australia	2002244121	Request for Examination
DPD		• .	•				•
						•	•
CAC		2/20/2007	2/20/2007	W9489-01	Canada	2440083	Request for Examination
OPD							
CAC LLB	ВЈА	2/28/2007	2/28/2007	W9440-01	Japan	2000-602390	Request for Examination
LLD							
VDB		3/19/2007	3/19/2007	W9540-02	India		Request for Examination
RS							·
						•	
VDB		3/19/2007	3/19/2007	W9539-02	India		Request for Examination
RS.						. *	·
/DB		3/19/2007	3/19/2007	W9566-02	India		Request for Examination
S							
/DB		3/19/2007	3/19/2004	W9553-02	India		Request for Examination
S							
	нјт	3/28/2007	3/28/2007	W9488-01	Canada	2443898	Request for Examination
LB							

ATTY ASST		DUE DATE	MAX TERM	I NEW CASE	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
CAC LLB	нлт	3/28/2007	3/28/2007	W9515-01	South Korea	2003-7013418		Request for Examination
CAC LLB	нлт	3/28/2007	3/28/2007	W9515-01	Canada	2444488		Request for Examinatio
CAC LLB	нлт	3/28/2007	3/28/2007	W9488-01	Australia	2002258675		Request for Examination
CAC LLB	нлт	3/28/2007	3/28/2007	W9488-01	South Korea	2003-7013201		Request for Examination
CAC LLB	НЈТ	3/28/2007	3/28/2007	W9515-01	Australia	2002258676		Request for Examination
CAC LLB	нлт	3/28/2007	3/28/2007	W9479-01	South Korea	2003-7013390		Request for Examination
CAC LB	нут	3/28/2007	3/28/2007	W9479-01	Canada	2444461		Request for Examination
CAC LB	нјт	3/28/2007	3/28/2007	W9323-01	South Korea	2003-7013416		Request for Examination
AC I	нјт	3/28/2007	3/28/2007	W9323-01	Canada	2444393	· · · · · · · · · · · · · · · · · · ·	Request for Examination

ATTY ASST	O/C	DUE DATE	MAX TERM	I NEW CASE	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
CAC ·	нэт	3/28/2007	3/28/2007	W9323-01	Australia	2002258677		Request for Examination
CAC LLB	тін	3/28/2007	3/28/2007	W9479-01	Australia	2002254479		Request for Examinatio
LLU							· .	
CAC DPD		4/7/2007	4/7/2007	W9571-01	Argentina	P040101201		Request for Examination
		· .		,				·
CAC DPD		4/7/2007	4/7/2007	W9571-01	Taiwan	93109348	·	Request for Examination
CAC		4/0/2007	40,000	W0.00			<del></del>	
OPD		4/9/2007	4/9/2007	W9637-01	Taiwan .	93110063		Request for Examination
RAM LB	HLC	4/10/2007	4/10/2007	W9568-01	South Korea	2003-7014217		Request for Examination
AM	тин	4/10/2007	4/10/2007	W9520-02	South Korea	2003-7041209		Request for Examination
LB	•							
AM LB	HLC	4/10/2007	4/10/2007	W9513-02	South Korea	2003-7014216		Request for Examination
AM I	нјт	4/10/2007	4/10/2007	W9514-02	South Korea	2003-7014210		Request for Examination

ATTY ASST	0/0	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
WDB RS		4/11/2007	4/11/2003	W9465-01	Japan	2001-509424		Request for Examination
CAC DPD		4/11/2007	4/11/2007	W9637-01	Argentina	P040101217 .		Request for Examination
CAC DPD		5/4/2007	5/4/2007	W9436-01	Japan	616922/00		Request for Examinatio
WDB RS		5/23/2007	5/23/2007	W9552-01	lndia	3780 DELAP)28	<del>501</del>	Request for Examination
WDB RS		6/28/2007	6/28/2007	W9530-02	South Korea	2004-7000119		Request for Examination
VDB	<u>.</u>	6/28/2007	6/28/2007	W9530-02-	Australia	2002321144		Request for Examination
RS		·			·			
VDB .S		7/9/2007	7/9/2007	W9643-02	Taiwan	93120616		Substantive Examination
AC I	BJA	7/9/2007	7/9/2007	W9517-01	South Korea	2004-7000392		Request for Examination
AC E	BJA	7/9/2007	7/9/2007	W9517-01	Canada	2452434		Request for Examination

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
CAC DPD	BJA	7/9/2007		W9517-01	Australia	2002354582		Request for Examination
טוט						•		
WDB	<del></del>	7/19/2007	7/19/2007	W9528-01	Turkey	02/235		Request for Examination
RS								Acquest for Examination
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WDB		8/12/2007	8/12/2007	W9495-01	Australia	2002355940		Doguest for Every
RS ,		3,12,200,		W 9493-01	Australia	2002333940		Request for Examination
				•				
WDB		8/12/2007	8/12/2007	W9495-01	South Korea	2004-7002162		Request for Examination
RS								•
					•			
VDB		8/12/2007	8/12/2007	W9495-01	Canada	2457730	<u> </u>	Request for Examination
RS						,		
VDB		8/20/2007	8/20/2007	W9498-01	Canada	2458308		Request for Examination
S								
							•	
	BJA	9/18/2007	9/18/2007	W9478-01	Japan	525295/01		Request for Examination
PD							•	
AC		9/20/2007	9/20/2007	W9483-01	Japan	2001-525296	<del></del>	Request for Examination
PD								
	Brinks	10/13/2007	10/13/2007	W9719-02	Japan	2000-351939		Request for Examination
i								

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO INVENTO	R ACTION TYPE
RAM	нјт	10/19/2007	10/19/2007	W9459-01	Japan	535421/01	Request for Examination
LLB							·
RAM	-	10/19/2007	10/19/2007	W9461-01	Japan	535420/01	Request for Examination
LLB						·	
RAM		10/19/2007	10/19/2007	W9475-01	Japan	535419/01	Request for Examination
LLB					•		
•		·					
CAC		12/15/2007	12/15/2007	W9484-01	Japan	2001-546840	Request for Examination
DPD							
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		·					
RAM		12/18/2007	12/18/2007	W9433-02	Japan	546775/01	Request for Examination
LLB							
RAM		12/18/2007	12/18/2007	W9448-02	Japan	546774/01	Request for Examination
LLB					·		
WDB		12/20/2007	12/20/2007	W9543-01	Australia	2002361196	Request for Examination
RS							•
WDB ·		12/20/2007	12/20/2007	W9543-01	South Korea	2004-7010426	Request for Examination
RS							
WDB		12/20/2007	12/20/2007	W9543-01	Canada	2472147	Request for Examination
RS							

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
WDB		2/27/2008	2/27/2008	W9527-01	Turkey	02/2098		Request for Examination
RS					•			
WDB		2/27/2008	2/27/2008	W9527-01	Japan	2001-563431		Request for Examination
ŖS								
WDB		3/19/2008	3/19/2008	W9539-02	Australia			Request for Examination
RS								
					•			
WDB		3/19/2008	3/19/2008	W9553-02	South Korea	2004-7014850	··· . · · ·	Request for Examination
RS							•	
WDB		3/19/2008	3/19/2008	W9553-02	Australia		<del></del>	Request for Examination
RS						• .		
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WDB		3/19/2008	3/19/2008	W9566-02	Australia			Request for Examination
RS				•				
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WDB		3/19/2008	3/19/2008	W9540-02	South Korea	2004-7014808	······	Request for Examination
RS			•		•			•
WDB		3/19/2008	3/19/2008	W9566-02	South Korea	2004-7014821		Request for Examination
RS								
	•							
WDB		3/19/2008	3/19/2008	W9540-02	Canada	2479692		Request for Examination
RS								

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO INVENTOR	ACTION TYPE
WDB		3/19/2008	3/19/2008	W9540-02	Australia		Request for Examination
RS							-
WDB		3/19/2008	3/19/2008	W9539-02	South Korea	2004-7014807	Request for Examinatio
RS						255. 767.1567	Acquest for Examination
						•	
WDB		4/11/2008	4/11/2008	W9447-03	Japan	2001-578567	Request for Examination
RS .							request for Examination
WDB		5/23/2008	5/23/2008	W9552-01 .	Australia		Request for Examination
RS							
							•
NDB	*	5/23/2008	5/23/2008	W9552-01	Canada		Request for Examination
RS						•	•
					•		
VDB		5/23/2008	5/23/2008	W9552-01	South Korea	2504-7019495	Request for Examination
RS.				•		·	
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/DB	_	6/20/2008	6/20/2008	W-9543-01	Australia	2002361196	Search Results
S							
/DB		8/22/2008	8/22/2008	W9498-01	Germany	10141020.4	Request for Examination
S							
DB		5/9/2009	5/9/2009	W9530-02	Thailand .	074939	Request for Examination
5							

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
WDB RS		5/9/2009	5/9/2009	W9553-02	Thailand	080961		Request for Examination
WDB RS		5/9/2009	5/9/2009	W9539-02	Thailand	080959		Request for Examination
WDB RS		7/8/2009	7/8/2009	W9566-02	Thailand	081682		Request for Examination
WDB RS		7/18/2009	7/18/2009	W9552-01	Thailand	082778		Request for Examination

ATTACHMENT C - HSCH 12/153,509 ATTACHMENT D HSSN. NO 10/633509 Petition

## ALL ATTORNEY'S US AND FOREIGN DOCKET

01-Feb-05

ATTY ASST	0/0	DUE DATE	MAX TERM DATE	NEW CASE	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
WDB RS		8/23/2003	8/23/2003	W9552-01	US		Fletcher	Info Discl Statement
								•
CAC	нут	11/10/2003	11/10/2003	W9488-01	Indonesia	W-00200301992	<u> </u>	Copy of International Preliminary Examination
LLB					•			Report (PCT/IPEA/416 ar 409)
		<u> </u>						
CAC	ВЈА	2/9/2004	2/9/2004	W9517-01	Indonesia	W-00 2004 00045		Copy of International Preliminary Examination Reprot (PCT/IPEA/416 &
OPD	• ••							409)
					· ·		·	
OPD		7/4/2004	7/4/2004	W9483-01	Europe	00965178.7		Address of Inventor Timkir
/DB S		8/31/2004	8/31/2004	W9552-01	PCT	EP03/05413	<u> </u>	Reminder for IPER & Written Opinion
3							•	
AC I	DJA	12/18/2004	12/18/2004	W8505-07	US	- 084141	Peters	Office Action
.B								·
DB		<del>12/30/2004</del> —	12/30/2004	V9566 02	Europe	03714239.5		Amend Claims

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
W <del>DB</del>		12/31/2004	12/31/2004	W9552 01	India	3780/DELNP/2004		Priority Document
RS								
						•		
					·		<u>-</u>	
RAM -	НТ	-1/3/2005	<del> 1/3/2005</del>	-W9441-01-	Europe	99948505.5		Response to Examination Report
LLB								Nepoti
								•
WDB		1/4/2005	1/4/2005	W9498-01	Europe	02796248.9		Response
RS								
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NDB	Brinks	1/9/2005	1/9/2003	W9711-01	PCT-	US2004/011960		PCT Article 19 Amendmen
RS							•	
₩DB		1440/2005	1/10/2025	1110642.00	200		<del></del>	<u> </u>
RS		1/10/2005	1/10/2005	W9643-02	<del></del>	US2004/021998	•	PCT Article 19 Amendmen
							•	
VDB		1/10/2005	1/10/2005	W9530-02	Europe	02754793.4		Response
lS.								Response
			•					
/DB		1/10/2005	1/10/2005	W9518-01	Czech Republic	PV4656-99		Printing Fees
S								
/DB		1/20/2005	1/20/2005		Europe	1314695		Mitsubishi Chemical Corporation (Patent Watch) Response
S								мериве
		•						

O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO INVENTOR	ACTION TYPE
ВЈА	1/21/2005	1/21/2005	W9625-01	PCT	US03/33477	Reminder for IPER & Written Opinion
	•					
	1/22/2005	1/22/2005	W9547-01	South Korea	10-1997-0056780	Response
	•		•		•	
нјт	1/23/2005	1/23/2005	W9448-02	Europe	00986429.9	Response
		•				
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•						
нл	1/23/2005	1/23/2005	W9433-02	Europe	00986430.7	Reply to Examination Repo
	1/27/2005	1/27/2005	W9483-01	Singapore	200201509-7	Copy of Record updated inventorship
				•		
	•	•				,
	1/30/2005	1/30/2005		PCT	GB02/04697	Patent Watch Ineos Silicas Limtied
		,				
	•					
						•
	1/20/2005	1/20/2005	W9305-01	Poland	P-334703	Response
	1730/2003	1/30/2003	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	• • • • • • • • • • • • • • • • • • • •		. •
						•
	2/1/2005		W9001-01	Europe	95250209.4	Power of Attorney - AT, Be CH, ES, IT, NL, & SE
						C11, 120, 11, 1111, 01 01
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/DB		2/2/2005			Europe	1355856		Rhodia - Watch
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AC	BJA	2/2/2005	8/2/2005	<del> W9634-02</del>	US	909709		<del>- Forc</del> ign File
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			2/3/2004	W9564-01	РСТ	US04/03006		Chapter II National Stage
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WDB		2/5/2005		W9261-01	Theiland	048588		- Copy of Cortesponding Patent, official actions and
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RS.								
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NDB		2/3/2005			Europc	WO2004/0436649A		- Patent Watch
RS			•					
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AC	ВЈА	2/3/2003	4/5/2005	W9478-02	-US	236367	Roberio	Appeal Brief
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7770		7/6/2003			US	2004/0097600		
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WDB-RS CAC-DPD		2/6/2005			US	2004/0077768		Patent Watch

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/DB		2/6/2005	4/6/2005	W9305-06	US -	615998	Pryor	Office Action
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AC	ВЈА	2/6/2003		<del>- W9478-01</del>	US	649627		
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AC		2/7/2005		<del></del>	- Japan	<del>- 2001-546840</del>		Assignment - owned by Mobil & Grace
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NDB		2/7/2005	2/7/2005		Europe	1241132		Degussa AG (Patent Water Response
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WDB RS		21112003	. ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			•		
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WDB		2/8/2005		- <del>(1)4)5-01</del>	Emopo ,			Preliminary Examination Report (IPER)
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CAC-	<del>. BJ∧</del>	2/8/2005	<del>- 3/8/2005</del>	W9517 01		701737		
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WDB.		2/9/2003	2/9/2005	<del>W9552-01</del>	Argantina	P030101926	
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WDB		2/9/2005	3/9/2005	W9646-01	US	114528	Notice of Appeal
RS		•					•
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							Priority Application has been
CAC	HJT	2/9/2005	2/9/2005	<del>- W9577-01</del>	Argentina	P030104759	Granted Granted
LLB					•		
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RAM	HJT	2/9/2003	2/9/2005	<del> W9433-02</del>	Russia	2002119424	Response
LLB					•	,	·
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<u> </u>			0.00.000	W0563.01	Argentina	P030104758	Priority Application has been
CAC	нл	2/9/2005	2/9/2005	-Wy303-V1	- An Countries		Granted
LLB		•					
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				110616.01		P020101317	Priority Application has been
CAC	нл	2/9/2005	2/9/2003	<del>- W9515-01</del>	Argentina		Granted
LLB					•		
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WDB-		2/9/2005	2/9/2005	<del>W9413-02</del>	Argentina	P990103352	Granted
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WDB		2/9/2005	2/9/2003	<del>W9298-01</del>	Argentina	P970102830	Priority Application has bee Granted
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TTY SST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
DB -		2/9/2005	2/9/2005	W9566-02	Argentina	P030100963		Priority Application has been Granted
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/DB		2/9/2005	2/9/2005	<del>- W9553-02</del>	Argentina	1000100000		Granted
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		<del>2/9/2005</del>	2/9/2005	W9413-02	China	99812283.1		Two Mth Ext -Office Action
VDB		<del></del>	2/3/2005					
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						P030100965		Priority Application has been
MDB.		2/9/2005	2/9/2005	<del>W9540-02</del>	Argentina	1050100500		Granted
RS								•
		2/9/2003	2/9/2005	<del>W9427-01</del>	Argentina	P990103351		Priority Application has been Granted
WDB		21912003						
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WDB		2/9/2005	2/9/2005	<del>W9539-02</del>	Argentina	P030100964		Granted
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				W0470-01	Argentina	P020101316		Priority Application has be
CAC	ĦĴ	1 2/9/2005	- <del>2/9/2005</del>		- 7u gentulu			Granted
LLB						•		
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		2/9/2005	2/9/2005	W9298-01	Norway	19986146		Response
WDB		<i>LI 31,</i> 2003	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>					
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DB	2/10/2005			Europe	1171509		Follow up - Opposition
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DB	2/10/2005		W9495-01	US	939621	Wormsbecher	File a CIP
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VDB-	2/11/2005	2/11/2005	<del>W9643-02</del>	PCT	US04/21998	<u>.</u>	DEMAND
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WDB	2/12/2005		W9330-02	Poland	P.366823		Power of Attorney
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WDB.	2/12/2005	2/12/2005	W9261-01	Germany	19805358.4		— Request for Examinati
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		2/13/2005	2/13/2005	W9494-01	Brazil	PI 0207174-6	Request for Examination
AC	DJA-	213/2003	2/15/5000				
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WDB		2/15/2005	<del>- 6/15/2005</del>	- <del>17020-0</del> 1			·
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AC	BJA	2/17/2005		W9440-01	Singapore	200058980-8		Info Discl Statement
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CAC	BJA	2/19/2005	2/19/2005	W9494-01	Australia	2002255584		File Normal or Modified Examination
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WDB		2/19/2005	7/19/2005	W9671-01	US	589074	Brems	time refum tibbuen

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AC		2/20/2005	2/20/2005	W9489-01	Brazil	P10207856-2		Request for Examination
AC PD		2/20/2003						
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WDB		2/20/2005	4/20/2005	W 9550-02	00	·		
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WDB	3	2/21/2005		W9553-02	<sup>-</sup> India	2974/DELNP/200		
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AC	ВЈА	2/21/2005	4/21/2005	W9625-01	PCT	US03/33477		Chapter II National Stage Entry
LB								
AC	нл	2/21/2005	2/21/2005	W9488-01	Europe	02728631.9		Reply to Examination Repo
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AC	BJA	2/21/2005	4/21/2005	W9556-01	PCT	US03/33478		Chapter II National Stage Entry
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В .	2/22/2005		W 9555-02				
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VDB RS	2/22/2005		W9566-02	South Africa	2004/8094		
VDB RS	2/22/2005		W9566-02	South Africa	2004/8094		
VDB RS	2/22/2005		W9566-02	South Africa	2004/8094		Declaration
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DB <sub>.</sub>		2/22/2003						
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AC		2/23/2005	3/23/2005	W9044-01	US			
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WDB		2/23/2005		W9711-01	US	421608	Anderson	Rec'd Office Action
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WDB		2/23/2005	2/23/2005	W9498-01	Canada	2458308		Assignment Document
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					00011429.0	Request for Examination
WDB	4/17/2005	4/17/2005	W9566-02	China	03811438.0	-

ATTY		name in a men	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
ASST	O/C	DUE DATE		W9447-03	Malaysia	PI20011852		Modified Examination
VDB .		4/18/2005	4/18/2005	W9447-03	[VILLEY OFF			
<b>LS</b>								
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						19817257.5		Response
WDB		4/20/2005	4/20/2005	W9425-01	Germany	1981/25/.5	•	
RS								
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» O	1	U 2605	ปอรงร	W9490	1.12 15	062602	libanati	Chapter II National Stage
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WDB		•			•		· .	icque Jee
RS			U25:05	W948	20 20	421510	Knott	155me Jue
m	HST	VIZSOS	42703	. 00-1100	( )	2012097		155ue pee
in s		4.28.US_	4505	W95m	01 1016	02/2092		Foreign File
CAC	BJA	5/2/2005	11/2/2005	W9558-01	US ·	624492		
LLB '							-	
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() 40		5.205	51705	W9364	101 LS	357115	Dalm	Filing Regular Application
<u>(1</u>			11/2/2005	W9558-01	US	624492	Yaluris	Filing Regular Application
CAC	BJA	31212003						
LLB								
				W7860-01	Canada	2111399		Response
CAC		5/3/2005	5/3/2005	W /800-01	Carace			
DPD							•	
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						2111100		Response
CAC		5/3/2005	5/3/2005	W8240-01	Canada	2111400		Response
CAC		5/3/2005	5/3/2005	W8240-01	Canada	2111400		Response
		5/3/2005	5/3/2005	W8240-01	Canada	2111400		Response
		5/3/2005	5/3/2005	W8240-01	Canada	2111400		
DPD						2111400		Response
CAC	C	5/3/2005	5/3/2005	W8240-01 W8241-01				
DPD	C							
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CAC	C			W8241-01	Canada	2111398		Response
CAC	C			W8241-01	Canada			Response
CAC DPI	C C	5/4/2005	5/4/2005	W8241-01	Canada	2111398		

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TTY SST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE  Search Results	•
	нлт	6/6/2005	6/6/2005	W9482-01	Australia	2002245309	·	Scarce Newson	
ъ									
	<u>.</u>			11/07/00 01	PCT	US04/37112		DEMAND	
DВ	Brink	s 6/6/2005	6/6/2005	W9709-01	rci	<b>~~</b> -			
S			•	·					
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CAC	BJA	6/6/2005	6/6/2005	W9561-02	PCT	US04/36642		DEMAND	
LB		<b>2</b> . 2.		•	•				
						PI 9901501		Response to Examination	
WDB		6/7/2005	6/7/2005	W9425-01	Malaysia	bi aantant		Report	
RS						•			
								· · · · · · · · · · · · · · · · · · ·	
					Australia	2002238441		Search Results	
WDB	_	6/9/2005	6/9/2005	W9526-01	Ausuana	2002	•		
RS		•							
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WDB		6/12/2005	6/12/2005	W9429-01	Germany	19815564.6		Response	
RS		0,1212000		•					
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						0.0401		Foreign File	•
CAC	ВЈ	A 6/16/2005	12/16/2005	w9463-03	US	013481	· *		
DPD									•
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		6/16/2005	5 6/16/2005	W9443-02	India	2001,00089/MUM		Order for Acceptance	
WDI RS	В	0/10/2003	) 0/10/2000						
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					us	013708		Poleigh The	
CAG	C E	JA 6/16/200	5 12/16/200	)5 W9453-03	, 03			•	

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
	нут	6/18/2005	6/18/2005	W8797-02	India	2785/DEL/96		Order for Acceptance
LLB	:							
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WDB		6/19/2005	6/19/2005	W9566-02	Europe	03714239.5		File in Hong Kong
RS		•						
RAM	HLC	6/20/2005	6/20/2005	W9652-02	PCT	US04/38529		DEMAND
LLB		•						
WDB		6/22/2005	6/22/2005	W9298-02	Japan	508696/99		Request for Examination
RS								
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WDB		6/25/2005	6/25/2005	W9261-01	Germany	19805358.4		Office Action
RS								
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WDB		6/28/2005	6/28/2005	W9530-02	Brazil	PI0210819-4	•	Request for Examination
RS								
WDB		6/28/2005	6/28/2005	W9530-02	Japan	510733/03		Request for Examination
RS								
WDB		6/30/2005	12/30/2005	W9675-01	US	640693	Fritz	Filing Regular Application
RS				•				
WDB		6/30/2005	· 12/30/2005	W9675-01	US	640693	Fritz	Foreign File
RS RS		0/30/2003						
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TTY SST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
VDB		6/30/2005	6/30/2005	W9530-02	Argentina	P020102498		Request for Examination
S			•					
	•					•		
					0 1	2472147		Assignment Document
/DB S		6/30/2005	6/30/2005	W9543-01	Canada	24/214/		
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/DB	· ·	7/4/2005	7/4/2005	W9530-02	Malaysia	PI20022540		Full Examination
S			,					•
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AC	BJA	7/6/2005	7/6/2005	W9561-02	PCT	US04/36642		CHAPTER 1 NATIONA STAGE ENTRY
LB				•			•	•
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						11004/27110		CHAPTER I NATIONA
VDB	Brinks	7/6/2005	7/6/2005	W9709-01	PCT	US04/37112	·	STAGE ENTRY
es .					,			
		2/7/2005	7/7/2005	W9571-01	PCT	US04/09850		Reminder for IPER &
CAC		7/7/2005		W)5/1 01		-		Written Opinion
PD							·	
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AC	ВЈА	7/8/2005	7/8/2005	W9440-01	India	2000,00549/MUM		Order for Acceptance
LB								
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CAC	BJA	7/8/2005	7/8/2005	W9517-01	Indonesia	W-00 2004 00045		Request for Examination
OPD			•					
	DI.	7/0/2005	7/9/2005	W9517-01	Brazil	PI0210972-7	· · · · · · · · · · · · · · · · · · ·	Request for Examination
CAC DPD	BJA	7/9/2005	//7/2003 ·	** 7J 1 /*UI	Pineli			

ATTY	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO INVENTOR	ACTION TYPE
-	O/C	7/9/2005	7/9/2005	W9517-01	Japan ·	512337/03	Request for Examination
CAC OPD	BJA	11312003	11712003	. 17317-01	-apun		<b>,</b>
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CAC		7/11/2005	7/11/2005	W9637-01	PCT .	US03/14635	Reminder for IPER & Written Opinion
)PD			•				written Opinion
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WDB		7/11/2005	1/11/2006	W9643-02	PCT	US04/21998	Chapter II National Stage
RS		•					Entry
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103 103		7-19-05				Le 20032301079	land resul
<u>ФЗ</u> ам	HLC	7/20/2005	7/20/2005	W9652-02	PCT	US04/38529	CHAPTER I NATIONAL STAGE ENTRY
LB				\ 17Q2 ~2 ~	 	2007 258 W.J.J	File noval atte
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AC 1	45	72109	7/2/05	Wayne	or Auto	ue 2002 254479	
VDB ·	713	7/23/2005	7/23/2005	W9711-01	PCT	US04/11960	Reminder for IPER & Written Opinion
rs AC 1-	+35	7.2105	72105	W9556	of Araba	٩٢٥٤٤٤٥٥ سا	File novalage
						de 2002.258675	. 4
	1451			W9446-01	Canada	2379960	Request for Examination
CAC OPD		7/25/2005	7/25/2005	10-0 <del>1-10</del> -01	Canada		
rD3		8.4.05	89.05	W9633.03	Pct	VS05/00461	Dened
VDB		8/12/2005	8/12/2005	W9495-01	Japan	520463/03	Request for Examination
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RS							
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RS 	=	8/12/2005	8/12/2005	W9495-01	Brazil	PI0211927-7	Request for Examination

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
/DB	·	8/12/2005	8/12/2005	W9495-01	Ukraine	200402119/M		Request for Examination
S								
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CAC	BJA	8/16/2005	8/16/2005	W9494-01	Singapore	200305528-2		Grant fees
LB								
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WDB		8/20/2005	8/20/2005	W9498-01	Japan	522682/03		Request for Examination
RS			e.					
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M3	•	8-2705	82705	W94	1342 d	dre 2001	13C1 8000	Order R. Acra
WDB		9/2/2005	9/2/2005	W9552-01	Europe	03735448.7		File in Hong Kong
RS						•		
uD3	>	9.9.05	9905	W96	331> P	1 120cs N	0461	Chapter 1
CAC		9/16/2005	9/16/2005	W9489-01	Australia	2002244121		Search Results
DPD								
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							<u>.                                    </u>	
WDB		9/17/2005	9/17/2005	W9540-02	Canada	2479692		Assignment Document
RS								
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CAC	BJA	9/18/2005	9/18/2005	W9478-01	Australia	75886/00		Request for Examination
DPD						·		,
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CAC	BJA	9/18/2005	9/18/2005	W9478-01	Canada	2385439		Request for Examination
DPD							•	
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CAC	BJA	9/18/2005	9/,18/2005	W9478-01	South Korea	2002-7003717		Request for Examination
DPD	236		1/2-2-2-2					

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO INVENTOR	ACTION TYPE
CAC		9/20/2005	9/20/2005	W9483-01	Canada	2384030	Request for Examination
DPD UD3	,	905	9.2305	W 9578	ion Tu	ley 02/235	under requa
WDB		10/2/2005	10/2/2005	W9427-01	Thailand	051514	Substantive Examination
RS		• •	•				
WDB		10/5/2005	10/5/2005	W9543-01	New Zealand	533911	Date Formal Request for Entry into National Phase t be Filed
RS .							
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WDB		10/11/2005	10/11/2005	W9643-02	PCT	US04/21998	Reminder for IPER & Written Opinion
RS		•					
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CAC	нлт	10/13/2005	10/13/2005	W9515-01	Singapore	200305994-6	Grant fees
LLB					•		
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CAC	нлт	10/13/2005	10/13/2005	W9479-01	Singapore	200305859-1	Grant Fees
LLB							
CAC	нјт	10/13/2005	10/13/2005	W9488-01	Singapore	200305993-8	Grant fees
LLB							
CAC	нлт	10/13/2005	10/13/2005	W9323-01	Singapore	200305913-6	Grant fees
LLB							

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TTY SST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
AM		10/19/2005	10/19/2005	W9459-01	South Korea	2002-7005582		Request for Examination
ъВ			•					
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DΒ		11/29/2005	11/29/2005	W9552-01	Canada	•		Assignment Document
S								•
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VDB	Brinks	12/6/2005	5/6/2006	W9709-01	PCT	US04/37112		Chapter II National Stag Entry
S						•	•	
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AC	BJA	12/6/2005	5/6/2006	W9561-02	PCT	US04/36642		Chapter II National Stag Entry
LB								
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CAC		12/15/2005	12/15/2005	W9484-01	Australia	21031/01		Request for Examination
DPD		•						
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CAC		12/15/2005	12/15/2005	W9484-01	Canada	2392923		request for Enumeration
DPD								
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						2002-7008050		Request for Examination
RAM		12/18/2005	12/18/2005	W9448-02	South Korea	2002-7008030		
LLB							• .	
		·				2002-7008118		Request for Examinati
RAM		. 12/18/2005	12/18/2005	W9433-02	South Korea	2002-7000110		· .
LLB								
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		12/20/2005	5/20/2006	W9652-02	PCT	US04/38529	•	Chapter II National Sta
RAM	HLC							Entry

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO INVENTOR	ACTION TYPE
WDB		12/20/2005	12/20/2005	W9543-01	Japan	556164/03	Request for Examination
RS		•	•				•
WDB		12/20/2005	12/20/2005	W9543-01	Russain Federation	2004123633	Request for Examination
RS		•					
WDB		12/20/2005	12/20/2005	W9543-01	Brazil	PI0215442-0	Request for Examination
rs ND3		1223-55		W95520	, Arabo	m 5003337667	Sarch Read
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CAC		1/2/2006	1/2/2012				Annual Aquamend Royalty Due
OPD					· · · · · · · · · · · · · · · · · · ·		
ND3	<b>5</b>	1-9.06	79.06	W9633.	is Put	V505/00461	Chaptra
	ВЈА	1/10/2006	1/10/2006	W9517-01	Singapore	200400005-5	Grant fees
DPD .							
WDB		1/18/2006	1/18/2006	W9413-02	Thailand	051565	Substantive Examination
RS			•			·	
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<b>VDB</b>		2/3/2006	2/3/2006	W9261-01	Japan .	531497/00	Request for Examination
RS			· .			••	
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VDB	Brinks	2/6/2006	2/6/2006	W9709-01	РСТ	US04/37112	Reminder for IPER & Written Opinion
es.							

ATTY				•				•
ASST.	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT' NO	INVENTOR	ACTION TYPE
CAC	BJA	2/6/2006	2/6/2006	W9561-02	PCT	US04/36642		Reminder for IPER & Written Opinion
LLB								
RAM LLB		2/11/2006	2/11/2006	W9391-01	Japan	2000-533469		Request for Examination
LLD								
CAC	BJA	2/13/2006	2/13/2006	W9494-01	India	746/MUMNP/2003	· · · · · · · · · · · · · · · · · · ·	Request for Examination
LLB					•			•
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CAC DPD		2/20/2006	2/20/2006	W9489-01	India	760/MUMNP/2003		Request for Examination
DID								
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RAM	HLC	2/20/2006	2/20/2006	W9652-02	PCT	US04/38529		Reminder for IPER & Written Opinion
LLB								
	•							
WDB	_	2/27/2006	2/27/2006	W9527-01	Canada	2401841		Request for Examination
RS								
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WDB.	_	2/27/2006	2/27/2006	W9527-01	South Korea	2002-7011548	· · · · · · · · · · · · · · · · · · ·	Request for Examination
RS								
WDB		3/6/2006	3/6/2006	W9425-01	Thailand	049928		Substantive Examination
RS								
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WDB		3/13/2006	3/13/2006	W9540-02	Taiwan	92105498		Substantive Examination
RS								
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ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
WDB RS		3/13/2006	3/13/2006	W9553-02	Taiwan	92105499		Substantive Examination
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WDB		3/18/2006	3/18/2006	W9566-02	Argentina	P030100963	•	Request for Examination
RS			•			•		
WDB		3/18/2006	3/18/2006	W9539-02	Argentina	P030100964	<u> </u>	Request for Examination
RS		•	•					
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WDB		3/18/2006	3/18/2006	W9539-02	Taiwan	92105923		Substantive Examination
RS			•					
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WDB		3/18/2006	3/18/2006	W9553-02	Argentina	P030100966		Request for Examination
RS								
WDB	<u> </u>	3/18/2006	3/18/2006	W9540-02	Argentina	P030100965		Request for Examination
RS			·					
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WDB		3/19/2006	3/19/2006	W9540-02	Russian Federation	2004130836		Request for Examination
RS								
WDB		3/19/2006	3/19/2006	W9566-02	Brazil	PI0308561-9	<del></del>	Request for Examination
RS		2. 17. 2000				- 3		
WDB		3/19/2006	3/19/2006	W9540-02	Japan	578154/03	·	Request for Examination
RS					•			•
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ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
WDB		3/19/2006	3/19/2006	W9566-02	Japan	585981/03		Request for Examination
RS								
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WDB		3/19/2006	3/19/2006	W9566-02	Russian Federation	2004133550	ት	Request for Examination
RS								
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WDB	•	3/19/2006	3/19/2006	W9553-02	Brazil	PI0308557-0		Request for Examination
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WDB		3/19/2006	3/19/2006	W9539-02	Brazil	PI0308558-9		Request for Examination
RS		•				·		
wdb		3/19/2006	3/19/2006	W9553-02	Japan	578471/03		Request for Examination
RS					•			
WDB		3/19/2006	3/19/2006	W9539-02	Russian	2004130835		Request for Examination
RS					Federation			
							•	
WDB		3/19/2006	3/19/2006	W9540-02	Brazil	PI0308560-0		Request for Examination
RS								
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WDB		3/19/2006	3/19/2006	W9539-02	Japan	578155/03		Request for Examination
RS		•						
WDB	.—-	3/19/2006	3/19/2006	W9553-02	Russian	2004130834		Request for Examination
		-	-		Federation			-
RS								
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ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
CAC LLB	нут	3/28/2006	3/28/2006	W9479-01	India	761/MUMNP/2003		Request for Examination
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CAC	нлт	3/28/2006	3/28/2006	W9515-01	India	832/MUMNP/2003	<u></u>	Request for Examination
LLB			· .					
CAC LLB	нлт	3/28/2006	3/28/2006	W9323-01	India	770/MUMNP/2003		Request for Examination
CAC LLB	нлт	3/28/2006	3/28/2006	W9488-01	India	829/MUMNP/2003		Request for Examination
WDB RS		3/31/2006	3/31/2006	W9429-01	Japan	2000-540923		Request for Examination
MD 3	• <u> </u>	4906	4.906	W9633.02	Pct	V505 00461	Ro	mode IPER Jui, He
WDB RS		4/10/2006	4/10/2006	W9566-02	Taiwan	92108242	·	Substantive Examination
WDB RS		4/11/2006	4/11/2006	W9447-03	South Korea	2020-7013988		Request for Examination
WDB RS		4/11/2006	4/11/2006	W9447-03	Canada	2406958		Request for Examination
WDB RS		4/16/2006	4/16/2006	W9425-01	Japan	2000-544734		Request for Examination

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ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
WDB	Brinks	5/4/2006	5/4/2006	W9718-01	Japan	2000-546862		Request for Examination
RS			•	•				·.
WDB		5/23/2006	5/23/2006	W9552-01	Brazil	PI0311481.3		Request for Examination
RS								
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WDB		5/23/2006	5/23/2006	W9552-01	Japan	509735/04		Request for Examination
RS						·.		
WDB		5/28/2006	5/28/2006	W9552-01	Taiwan	92114383	···· <u> </u>	Request for Examination
RS								
WDB	,	5/28/2006	5/28/2006	W9460-01	Germany	19924453.7		Request for Examination
RS							•	•
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WDB		5/29/2006	5/29/2006	W9552-01	Argentina	P030101926		Request for Examination
RS								
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CAC DPD		6/10/2006	6/10/2006	W9401-01	Japan	2000-558193		Request for Examination
Drb							•	
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WDB		6/22/2006	6/22/2006	W9427-01	Turkey	2001/17		Request for Examination
RS		0,22,2000	0,22,2000		i dikoj	200		
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WDB		6/22/2006	6/22/2006	W9427-01	Japan	2000-558981		Request for Examination
RS					-			
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ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO INVENT	FOR ACTION TYPE
VDB		6/28/2006	6/28/2006	W9530-02	India	0012/DELNP/2004	Request for Examin
s							
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VDB		7/4/2006	7/4/2006	W9530-02	Malaysia .	Pl20022540	Modified Examinat
RS							
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VDB		7/7/2006	7/7/2006	W9413-02	Japan	2000-559049	Request for Examin
RS.		•	·			. •	
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VDB		7/7/2006	7/7/2006	W9413-02	Turkey	2001/18	Request for Examin
RS			•				
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VDB		7/8/2006	7/8/2006	W9443-02	Japan	2000-558983	Request for Examin
RS							
CAC	ВЈА	7/9/2006	7/9/2006	W9517-01	India	00011/MUMNP/200	Request for Examin
OPD						•	
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CAC	ВЈА	7/12/2006	7/12/2006	W9393-01	Japan	2000-562135	Request for Examina
PD							
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VDB		7/15/2006	7/15/2006	W9643-02	Malaysia	PI20042824	Request for Examina
S							•
CAC	Mobil	7/22/2006	7/22/2006	W9435-01	Japan	2000-562334	Request for Examina
PD							

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
RAM		8/9/2006	8/9/2006	W9655-01	Japan	2000-563704		Request for Examination
LLB					•			
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WDB		8/12/2006	8/12/2006	W9495-01	India	00343/DELNP2004		Request for Examination
RS								
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WDB		9/19/2006	9/19/2006	W9539-02	Singapore	200405220-5		Grant fees
RS								
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						<u> </u>		
WDB	•	9/19/2006	9/19/2006	W9553-02	Singapore	200405222.1	•	Grant fees
RS							•	
		<u> </u>		·				
WDB		9/19/2006	9/19/2006	W9540-02	Singapore	200405219-7		Grant fees
RS .								•
								·
			1011 0000	320441.01		2000-574578	<u>.</u>	Request for Examination
RAM LLB	ТІН	10/1/2006	10/1/2006	W9441-01	Japan	2000-374376		request for Examination
LLL								
WDB		10/17/2006	10/17/2006	W9566-02	Singapore	200405221-3	•	Grant fees
RS		10/17/2000	10/1//2000	**>500 02	011.gapo.0	200		
	·							
CAC	BJA	10/20/2006	10/20/2006	W9625-01	Taiwan	92129003		Substantive Examination
LLB	איני	10/20/2000			•		·	
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CAC	BJA	10/20/2006	10/20/2006	W9556-01	Taiwan.	92129006		Substantive Examination
LLB			• • • • • • • • • • • • • • • • • • • •					
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ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO INVENTOR	ACTION TYPE
CAC	BJA	10/20/2006	10/20/2006	W9557-01	Taiwan	92129005	Substantive Examination
LLB			<i>:</i>				
							<u>.</u>
WDB		10/21/2006	10/21/2006	W9447-02	Japan	577250/00	Request for Examination
RS	,						
							:
WDB		12/14/2006	12/14/2006	W9526-01	Canada	2436690	Request for Examination
RS	,					•	
CAC	нл	12/18/2006	12/18/2006	W9563-01	Taiwan	92135939	Request for Examination
LLB		•					
		•					•
			·				
CAC LLB	НЈТ	12/18/2006	12/18/2006	W9563-01	Argentina	P030104758	Substantive Examination
14.0			•				•
•							· •
CAC	нлт	12/18/2006	12/18/2006	W9577-01	Argentina	P030104759	Substantive Examination
LLB				•		•	
						•	
WDB		12/20/2006	12/20/2006	W9543-01	India	1914/DELNP/2004	Request for Examination
RS							
					•		
<u>.</u>							
RAM		12/20/2006	12/20/2006	W9408-01	Japan	589280/00	Request for Examination
LLB							
WDB	<del></del>	12/22/2006	12/22/2006	W9413-02	Turkey	01/18	Patent to Use
RS							
			•				

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
CAC DPD	ВЈА	12/23/2006	12/23/2006	W9463-02	Germany	19962669.3		Request for Examination
CAC DPD	<del></del>	1/23/2007	1/23/2007	W9483-01	Thailand	060560		Substantive Examination
RAM LLB	нут	1/25/2007	1/25/2007	W9482-01	Canada	2473739		Request for Examination
CAC DPD		2/2/2007	2/2/2007	W9564-01	Taiwan	93102285		Request for Examination
CAC LLB	ВЈА	<del>2/13/2007</del>	2/13/2007		Australia	2002255584		Request for Examination
CAC LLB	ВЈА	2/13/2007	2/13/2007	W9494-01	Canada	2438700		Request for Examination
CAC LLB	ВЈА	2/13/2007	2/13/2007	W9494-01	South Korea	2003-701695		Request for Examination
CAC DPD		2/20/2007	2/20/2007	W9489-01	Australia	2002244121		Request for Examination
CAC DPD		. 2/20/2007	2/20/2007	W9489-01	Canada	2440083		Request for Examination

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
CAC	BJA	2/28/2007	2/28/2007	W9440-01	Japan	2000-602390		Request for Examination
LLB				•				
			·					
WDB		3/19/2007	3/19/2007	W9540-02	India			Request for Examination
RS				•				
WDB		3/19/2007	3/19/2007	W9566-02	India			Request for Examination
RS			•					•
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WDB		3/19/2007	3/19/2007	W9539-02	India		•	Request for Examination
RS			•					
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WDB		3/19/2007	3/19/2004	W9553-02	India			Request for Examination
RS				·				
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CAC	нлт	3/28/2007	3/28/2007	W9488-01	Australia	2002258675		Request for Examination
LLB			•		•		,	
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CAC	шт	3/28/2007	3/28/2007	W9479-01	Canada	2444461		Request for Examination
LLB								·
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CAC	нлт	3/28/2007	3/28/2007	W9323-01	Canada	2444393		Request for Examination
LВ								
CAC	нлт	3/28/2007	3/28/2007	. W9479-01	South Korea	2003-7013390		Request for Examination
LLB								•

3/28/2007 3/28/2007 3/28/2007	W9515-01  W9479-01  W9323-01  W9323-01	Australia  Australia  South Korea	2002258676 2002254479 2002258677 2003-7013418		Request for Examination  Request for Examination  Request for Examination  Request for Examination
3/28/2007 3/28/2007	W9323-01 W9515-01	Australia South Korea	2002258677		Request for Examination  Request for Examination
3/28/2007 3/28/2007	W9323-01 W9515-01	Australia South Korea	2002258677		Request for Examination  Request for Examination
3/28/2007 3/28/2007	W9323-01 W9515-01	Australia South Korea	2002258677		Request for Examination  Request for Examination
3/28/2007 3/28/2007	W9323-01 W9515-01	Australia South Korea	2002258677		Request for Examination  Request for Examination
3/28/2007	W9515-01	South Korea	2003-7013418		Request for Examination
3/28/2007	W9515-01	South Korea	2003-7013418		Request for Examination
3/28/2007	W9515-01	South Korea	2003-7013418		Request for Examination
3/28/2007	W9515-01	South Korea	2003-7013418		Request for Examination
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3/28/2007	W9323-01	South Korea	2003-7013416		Request for Examination
3/28/2007	W9323-01	South Korea	2003-7013416		Request for Examination
3/28/2007	W9323-01	South Korea	2003-7013416		Request for Examination
3/28/2007	W9323-01	South Korea	2003-7013416		Request for Examination
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3/28/2007	W9488-01	South Korea	2003-7013201		Request for Examination
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3/28/2007	W9488-01	Canada	2443898		Request for Examination
					•
3/28/2007	W9515-01	Canada	2444488		Request for Examination
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	W0571:01	Argentina	.:P040101201		Request for Examination
477007	** 7J / 1 ** U 1	Aiguittia	.070101201		. Joques 101 LAUININGTON
4/7/2007					
	3/28/2007				

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
CAC		4/7/2007	4/7/2007	W9571-01	Taiwan	93109348		Request for Examination
OPD								
CAC	····	4/9/2007	4/9/2007	W9637-01	Taiwan	93110063		Request for Examination
OPD								•
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RAM	HLC	4/10/2007	4/10/2007	W9513-02	South Korea	2003-7014216		Request for Examination
LB								
•						•		
RAM LLB	HLC	4/10/2007	4/10/2007	W9568-01	South Korea	2003-7014217		Request for Examination
		•			•			
RAM	нлт	4/10/2007	4/10/2007	W9520-02	South Korea	2003-7041209		Request for Examination
LLB								
						· ·		
RAM	нлт	4/10/2007	4/10/2007	W9514-02	South Korea	2003-7014210	· · · · · · · · · · · · · · · · · · ·	Request for Examination
LLB						, .		
						·,		
WDB	· .	4/11/2007	4/11/2003	W9465-01	Japan	2001-509424		Request for Examination
RS				, , , , , , , , , , , , , , , , , , ,	·			Noques 101 Examination
CAC		4/11/2007	4/11/2007	W9637-01	Argentina	P040101217		Request for Examination
DPD					· ·			
CAC		5/4/2007	5/4/2007	W9436-01	Japan	616922/00	<del></del>	Request for Examination
DPD			•					

ATTY			MAX TERM	NEW CASE				
ASST	O/C	DUE DATE	DATE	NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
WDB ·		5/23/2007	5/23/2007	W9552-01	India	3780/DELNP/2004		Request for Examination
RS			. •					
							· · · · · · · · · · · · · · · · · · ·	·
WDB		6/28/2007	6/28/2007	W9530-02	South Korea	2004-7000119		Request for Examination
RS								
							•	
WDB		6/28/2007	6/28/2007	W9530-02	Australia	2002321144		Request for Examination
RS								
							•	
CAC	BJA	7/9/2007		W9517-01	Australia	2002354582		Request for Examination
DPD				•	•	•	•	
		•						
	-				· _			
WDB		7/9/2007	7/9/2007	W9643-02	Taiwan	93120616	-	Substantive Examination
RS							•	
		•			·		•	
	•						·	
CAC	BJA	7/9/2007	7/9/2007	W9517-01	Canada	2452434		Request for Examination
DPD								
	•							
CAC	BJA	7/9/2007	7/9/2007	W9517-01	South Korea	2004-7000392		Request for Examination
DPD								
				•				•
	•							
WDB		7/19/2007	7/19/2007	W9528-01	- Turkey	02/235		Request for Examination
RS					•			, •
WDB		8/12/2007	8/12/2007	W9495-01	Canada	2457730		Request for Examination
RS								

ATT	Y	·						
ASST	C O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
WDB		8/12/2007	8/12/2007	W9495-01	Australia	2002355940		Request for Examination
RS					•			
				·-				
WDB		8/12/2007	8/12/2007	W9495-01	South Korea.	2004-7002162		Request for Examination
RS			•					
				<u> </u>				
WDB RS		8/20/2007	8/20/2007	W9498-01	Canada	2458308	•	Request for Examination
K2						•	•	
,				•				
CAC	BJA	0/19/2007	0.400000	11:0.450.04			•	
CAC DPD	BJA	9/18/2007	9/18/2007	W9478-01	Japan	525295/01		Request for Examination
		•						
								•
CAC		9/20/2007	9/20/2007	W9483-01	Japan	2001-525296		Request for Examination
DPD		<i>3</i> ,23,230.	372072007	W 2403-01	Japan	2001-323290		Request for Examination
						. •		
WDB	Brinks	s 10/13/2007	10/13/2007	W9719-02	Japan	2000-351939		Request for Examination
RS					·			•
RAM		10/19/2007	10/19/2007	W9461-01	Japan	535420/01		Request for Examination
LLB								
			•					
							·	
RAM		10/19/2007	10/19/2007	W9475-01	Japan	535419/01		Request for Examination
LLB								
	∙∙нлт	10/19/2007	10/19/2007	W9459-01 .	Japan	535421/01		Request for Examination
LLB								

ATTY					,			,
ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
CAC		12/15/2007	12/15/2007	W9484-01	Japan	2001-546840		Request for Examination
PD							•	
•								
AM		12/18/2007	12/18/2007	W9433-02	Japan	546775/01		Request for Examination
LB						,	•	
								<u> </u>
AM		12/18/2007	12/18/2007	W9448-02	Japan	546774/01		Request for Examination
LB <sub>.</sub>						•		
								N.
/DB		12/20/2007	12/20/2007	W9543-01	Australia	2002361196	. ·	Request for Examinatio
S		•						
								•
/DB		12/20/2007	12/20/2007	W9543-01	Canada	2472147 <sup>.</sup>		Request for Examination
S								
								•
					<del> </del>			
'DB		12/20/2007	12/20/2007	W9543-01	South Korea	2004-7010426		Request for Examination
S								
							•	
, <u>-</u>		·						
DB		2/27/2008	2/27/2008	W9527-01	Turkey	02/2098		Request for Examination
S		•						
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							<del></del>	Pinner for F
DB		2/27/2008	2/27/2008	W9527-01	Japan	2001-563431		Request for Examination
S .								
TOP.		2/10/2009	2/10/2009	W0553 02	South Vores	2004 7014850		Request for Examination
DB S		3/19/2008	3/19/2008	W9553-02	South Korea	2004-7014850		request for examination
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ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO INVENTOR	ACTION TYPE
WDB RS		3/19/2008	3/19/2008	W9553-02	Australia	2003250679	Request for Examination
						•	
WDB		3/19/2008	3/19/2008	W9539-02	Australia	203220419	Request for Examination
RS			· ·			,	
WDB		3/19/2008	3/19/2008	W9540-02	Canada	2479692	Request for Examination
RS							
•							
WDB		3/19/2008	3/19/2008	W9566-02	Australia		Request for Examination
RS							
			•				
WDB	· ·	3/19/2008	3/19/2008	W9540-02	South Korea	2004-7014808	Request for Examination
RS							
WDB		3/19/2008	3/19/2008	W9540-02	Australia		Request for Examination
RS				•			
WDB		3/19/2008	3/19/2008	W9539-02	South Korea	2004-7014807	Request for Examination
RS							
VDB		3/19/2008	3/19/2008	W9566-02	South Korea	2004-7014821	Request for Examination
RS							·
						· ·	
VDB		4/11/2008	4/11/2008	W9447-03	Japan	2001-578567	Request for Examination
RS							

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE . NO	COUNTRY	DOCUMENT NO INVI	ENTOR ACTION TYPE
DВ		5/23/2008	5/23/2008	W9552-01	Canada		Request for Examination
3							
/DB		5/23/2008	5/23/2008	W9552-01	Australia	2003237667	Request for Examination
S							
		5/22/2009	5/23/2008	W9552-01	South Korea	2004-7019495	Request for Examination
VDB .s		5/23/2008	3/23/2008	₩9332-01			
VDB		6/20/2008	6/20/2008	W-9543-01	Australia	2002361196	Search Results
RS .							
VDB		8/22/2008	8/22/2008	W9498-01	Germany	10141020.4	Request for Examination
RS							
	•						•
					<u> </u>		Request for Examination
WDB		5/9/2009	5/9/2009	W9539-02	Thailand	080959 ·	Request for Examination
RS							
WDB		5/9/2009	5/9/2009	W9553-02	Thailand	080961	Request for Examination
RS							
						•	
WDD		5/9/2009	5/9/2009	W9530-02	Thailand	074939	Request for Examination
WDB RS		3/9/2009	31912009	11 9 3 3 0 - 0 2		•	
WDB		7/8/2009	7/8/2009	W9566-02	Thailand	081682	Request for Examination
RS							

ATTY		MAX TERM	NEW CASE			
ASST	O/C DUE DATE	DATE	NO CASE	COUNTRY	DOCUMENT NO INVENTOR	ACTION TYPE
WDB	7/18/2009	7/18/2009	W9552-01	Thailand	082778	Request for Examination
RS						

ATTACHMENT E

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## ALL ATTORNEY'S US AND FOREIGN DOCKET

.16-Feb-05

ATTY	<u>.</u>		MAX TERM	NEW CASE				
ASST	O/C	DUE DATE	DATE	NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
WDB RS		8/23/2003	8/23/2003	W9552-01	US		Fletcher	Info DiscI Statement
N3			•					
							٠.	•
CAC	нлт	11/10/2003	11/10/2003	W9488-01	Indonesia	W-00200301992		Copy of International Preliminary Examination Report (PCT/IPEA/416 an 409)
LLB								
CAC	ВЈА	2/9/2004	2/9/2004	W9517-01	Indonesia	W-00 2004 00045		Copy of International Preliminary Examination Reprot (PCT/IPEA/416 &
DPD				4		· · · · · · · · · · · · · · · · · · ·		409)
WDB		8/31/2004	0/21/200				<del></del>	
		6/31/2004	8/31/2004	W9552-01	PCT	EP03/05413		Reminder for IPER & Written Opinion
RS			•	•				
WDB -		1/4/2005	1/4/2005	-W9498-01	Europe	02796248.9		Response
RS								·
WDB		1/10/2005	1/10/2005	W9518-01	Czech Republic	PV4656-99		Printing Fees
RS					-aaaaa Aepaone			Timing FCC3
VDB		1/20/2005	1/20/2003		· ·			
			2012003		Europe	1314093		Missubishi Chemical Corporation (Patent Watch) Response

ATTY								
ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
CAC	BJA	1/21/2005	1/21/2005	W9625-01	РСТ	US03/33477		Reminder for IPER &
LB.								Written Opinion
								·
VDB		1/22/2005	1/22/2005	W9547 01	South Kores	10-1997-0056780		Response
.S								
		·				·		
AM	нэт	1/23/2005	1/23/2005	W9448-02	Евторе	00986429.9		Response
LB								
				-				
VDB -		1/30/2005	<del>-1/30/2005</del>		- PCT	GB02/04697		Patent Watch Ineos Silica Limtied
.S		•						
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	•		<u>.</u> r		<b>-</b>			· · · · · · · · · · · · · · · · · · ·
VDB		2/7/2005	2/7/2005		Europe	1241132		Degussa AG (Patent Water
s								Response
DB		2/9/2005	2/9/2003	W9298-01	Norway	19986146		Response
S					•			
/DR		2/13/2005	2/13/2003	W9427-01	Europe	- 999288 <sup>1</sup> 14.5		Response
S			•					
		2/16/2005	7/16/2005	W9495-02	US	892779		Foreign File
'DB								
<del>VDB</del>								

ATTY								
	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
VDB -		2/17/2005		W9539-02	South Africa	2004/8091		Assignment Document
.S								
				•		•		
							·	
VDB .		2/17/2003	2/17/2005	W9553-02	Europe	03723769.0		Amend Claims
S				•				
AM	нут	<del>-2/17/2005</del>	2/17/2005	W9509-02	US	120291	Shih	Issue fee
LB						•		
ADR .		2/17/2005		W9530-02	South Africa	2004-0019		Assignment-Document
s						·	•	
VDB		2/17/2005	<del></del>	<del>W9539-02</del>	South Africa	2004/8091		Power of Attorney
S							·	
								•
/DB		2/17/2005		W9539-02	South Africa	2004/8091		Copy of IPER
S								
						•		
	٠							
'DB		2/17/2005	8/17/2005		Europe	0987219		Possible Opposition
s								••
'DB		2/17/2005	<u> </u>	W9530 02	South Africa	2004/8001		Declaration
S		211112005		**	SOURT THINKS .	#00 vi 0074		<del></del> UII
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AC I	BJA	2/17/2005		W/9440-01	Singapore	200058980 8		Info Disel Statement

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
AM .	HJT	2/17/2005	2/17/2005	W9514-02	US	120310	Shih	Issue Fee
LB.						•		
					•			
					•			
			<del> </del>				•	Oral Proceedings
WDB —		2/18/2005	2/18/2005	-W9425-01	Europe	99920682.4	·.	Orar Proceedings
RS								
								•
WDB		2/18/2005	2/18/2005	W9427-01	-China	99810731:X		Certificate Fee and 6th Annuity
RS							•	Annuity
K.S			•				•	
		•						•
CAC		<del>-2/18/2005</del>	<del>- 2/18/2005</del>	W9484-01	Australia	21031/01		Order for Acceptance
DPD								
·					•			
GAC-		2/18/2005	5/18/2005	W9571-01	US	408271	Schmidt	Office-Action
DPD					•			
						•	•	
					,		•	
		0.40.40000	7/19/2005	W9671-01		589074		Foreign File
<del>WDB</del> RS		2/19/2005	771972003	W 9071-01	O3	367074		
KS		•						
							·	·
WDB-	-	2/19/2005	7/19/2005	W9671-01	<del>-US</del>	589074	- Brems	Filing Regular Application
RS			•		•			
							٠.	
CAT	TtH	2/19/2005	6/19/2005	-W9577-01	PCT	US03/40322		Chapter II National Stage
CAL -	, , , ,	213712003	0.17.2003			<u> </u>		Entry
LLB								
					•			
-AC	<del>- 7tH</del>	2/19/2005	6/19/2005	W9563-01	- PCT	U\$03/39268		
CAC LLB	нут	2/19/2005	6/19/2005	W9563-01	PCT	US03/39368		Chapter II Notional Stage Entry

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
CAC		2/20/2005	2/20/2005	-W9489-01	Brazil	P10207856-2		Request for Examination
OPD								
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CAC	- Blo-	2/20/2005	2/20/2005	W9440-02	US	151560	2 ieliarth	Office Action
LLB	NIG	212012005	2/20/2003					
LLU								
						102054		Office Action
WDB		<del>-2/20/2005 -</del>	4/20/2005	<del> W9530-02</del>	<del>-US</del>	183854	Petry	Office Action
RS			•					
								•
C <del>AC -</del>		2/20/2005	2/20/2005	W9489-01	Russian Federation	2003130097		Request for Examination
DPD					regeration			
								•
				<del>-</del>				
					India	2974/DELNP/200		Section 8 (2) Details
WDB.		2/21/2003		<del>W9333-02</del>	Illula	2)/4/022.47200		
RS		•	•					
								Service 8(1) Devoits
W <del>DB -</del>		2/21/2005		- W9553 02	India -	2974/DFI NP/200		Section 8(1) Details
RS								
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WDB		2/21/2003		- <del>W9333-02</del>	India	2974/DELNP/200		Power of Authority
RS								
CAC	ВЈА	2/21/2003	4/21/2005	W9625-01	PCT	US03/33477		Chapter II National Stage
CAC		2/21/2005	4/1/1/2005	,025 07			•	Entry
LLB								
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WDB		2/21/2005		W9553-02	- India	2974/DELNP/200		Application Form 1A
RS		·				•		

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
C <del>AC</del>	-BJA	<del>- 2/21/2005</del> -	4/21/2005	- W9556 01	PCT	US03/33478		Chapter II National Stage Entry
C <del>AC</del>	ВЈА	2/21/2005	4/21/2005	W9557 01	PCT	US03/33479		Chapter Il National Stage Entry
CAC-	HIT	<del>2/21/2005</del>	2/21/2005	W9488-01	Europe	02728631.9		Reply to Examination Repor
WDB RS	· - · · ·	2/22/2005		→ <del>W9553-02</del>	South Africa	<del>2004/8095</del>		Assignment Document
<del>WDB</del> RS	 	2/22/2005	· · · · · · · · · · · · · · · · · · ·	 · W9553-02	South Africa	2004/8095		Power of Attorney
WDB RS		2/22/2005		-/ <del>W9553-02</del>	South Africa	2004/8095		<del>Declarati</del> on
WDB RS		2/22/2005		∕₩9540-02	South Africa			Power of Attorney
WDB RS		2/22/2005			South Africa	2004/8187		
W <del>'DB</del>		2/22/2005	<del>- 2/22/2005</del>		Europe	- 0880989		Response

ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
WDB -		2/22/2005		W9540 02	South Africa	2004/8187		Assignment Document
RS ·			. *					
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		<u> </u>						Recordation between Grad
CAC		2/22/2005		<del>- W9484-01</del>	Canada	2392923		& Mobil
DPD					•			
				∕ ₩9566-02	South Africa	2004 8004		Declaration
MDB_		2/22/2003		W 9300-02	Journ Mines	2001 007		
RS					•			
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₩DB		2/22/2005	-	W9566-02	South Africa	2004/8094		Power of Attorney
RS								
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					South Africa	2004/8094		Assignment Document
WDB		2/22/2005	,	<del>/ W9566-02</del>	- Joddi Ainer	2004/002		· ·
RS						•		
<del>WDB</del>							<u> </u>	
		2/22/2005			South Africa	2004/8095		Copy of IPER
RS	-	2/22/2005		√ W9553-02	South Africa.	2004/8095		Copy of IPER
RS		2/22/2005		√ W9553-02	South Africa_	2004/8095		Copy of IPER
RS		2/22/2005		√ W/9553-02	South Africa	2004/8095		Copy of IPER
WDB		2/22/2005		√ W/9553-02 <del>✓ W9527-01</del>	South Africa	2004/8095 		Copy of IPER  Deed of Assignment
WDB		2/22/2005						
WDB		2/22/2005						
WDB		2/22/2005						Deed of Assignment
WDB RS		2/22/2005						
WDB RS		2/22/2005		<del>V W9527-01</del>	Turkey	-02/2098		Deed of Assignment
WDB RS WDB RS		2/22/2005		<del>V W9527-01</del>	Turkey	-02/2098		Deed of Assignment
WDB RS		2/22/2005		<del>V W9527-01</del>	Turkey	-02/2098		Deed of Assignment
WDB RS WDB RS		2/22/2005 		✓ W9527-01 ✓ W9540-02	Turkey  South Africa			Deed of Assignment  Copy of IPER
WDB RS		2/22/2005		<del>V W9527-01</del>	Turkey	-02/2098		Deed of Assignment

SST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
DB -		2/23/2005			US-	2004/0106180		Patent Watch
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DR		2/23/2005			US			Pub. No. US2003/0091411
								US2004/0062701
S						•		
	·			W0478-01	India	2002 003/DEL		Share Assignment
AC	BJA	2/23/2005						
PD					101			
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DB	Brink	s 2/23/2005	2/23/2005	-W9711-01	PCT	US2004/011960		Response to PCT Written Opinion
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S	•							
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ADB		2/23/2005		W9527-01	Јаран	2001-563431		Deed of Assignment
S					•			
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AC		2/23/2005	3/23/2005		US	886563		Foreign File
		2/23/2005	3/23/2003		<del></del>	806563		Foreign File
		2/23/2003	3/23/2005	<del></del>	US	886563		Foreign File
		2/23/2005	3/23/2005	W9644+01	US	806563		Foreign File
)PD								
PD VDB		2/23/2005	3/23/2005	W9644-01 W9498-01	<del>US</del> Canada	<del>806563</del> 2458308		Foreign File  Assignment Document
PD WDB							·	
NDB								
WDB								
OPD WDB RS		2/23/2005		W9498-01	Canada		Anderson	
NDB						2458308	Anderton	Assignment Document

SST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO INVENTOR	ACTION TYPE
/ĐB		2/24/2005		W9552 01	South Africa	2004/10373	Copy of IPER
S							•
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						762935	Response
AC		2/24/2005	3/31/2005		- Europe		
PD			,				
ADR		2/24/2005		W9552-01	- India -		Application Form 1A
RS							
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		0.10.4.10.005		W9552-01	- India	3780/DELNP/2004	Power of Authority
<del>VDB</del>		2/24/2005		*** 7332-01	111010		•
RS							
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WDB		2/24/2005		W9552-01	India	3780/DELNP/2004	Section 8(1) Details
RS				•		•	
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WDB		2/24/2005		W9552-01	India	3780/DELNP/2004	Section 8(2) Details
RS		272472003				•	
KS.							
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WDB -		2/24/2005			- South Africa	2004/10373	
RS						·	
1245		2/24/2005		W9552-01	South Africa	-2004/10373	Power of Attorney
<del>WDB</del> RS		212712000				•	
K3							
							Andrews Dames
						2004/10272	Assignment Document
WDB		2/24/2005		W9552_01	South Africa-		•

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
CAC	BJA	2/24/2005	2/24/2005	W9556-02	US	642924	- Yaluris	Issue fa
LB						·		
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		2/25/2005	<del></del>	W9463 02	Chine	99122963.0		Response
DPD.	BJA	2/23/2003	212312003	119 100 02	<b></b>			
DPD.								•
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WDB	*.,	2/26/2005			Japan			Seishi
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WDB		2/26/2003		W9552-01	Poland			Power of Attorney
RS		2/20/2005						
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				W9540-02	Poland	P.372351		Assignment Document
WDB-		2/27/2005		** >5-0-02	,			•
KS								•
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					5.11			Assignment Document
WDB		2/27/2005		<del></del>	- Poland -			
RS								
W <del>DB</del>		2/27/2005		· wossa 02	Poland			Power of Attorney
RS					•		•	
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CAC	BJA	2/27/2005		W9453 01	Australia	44687/99		Nominal Working
DPD	```							
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			0.00.000		Eurasian	200200941		Designation of Countries
WDB		212712003	2/27/2005	W9527-01 -	Lui asian	2002007-7		Annuities
RS								

ATTY ASST O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
/DB	2/27/2005	2/27/2005	W9527 01	- India	2002.01191/MUM		Request for Examination
S							
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	2/27/2005		W9483-01	Singapore	200201509-7		Copy of Record updated
AC	212112005		***				inventorship
OPD					·		
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WDB	2/27/2005		W9566-02	Poland	9.312416		Power of Attorney
RS ·		•			(		
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			W9539-02	Poland	P.372376		Power of Attorney
WDB	2/27/2005		W75.17-02-	Totalio			
RS				•	•		
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WDB	2/27/2005	4/27/2005		Europe	1366117		Possible Opposition
RS							
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	2/27/2003		W9540-02	Poland	P.372351		Power of Attorney
WDB	212112003						
RS							
WDB	2/28/2003		- w9300-02	india	2907/DELNP/2004		Section 8(2) Details
RS						,	•
<b>*</b>			W9517-01	Colombia	04001078		IPER and Annexes (if any
	IA 2/28/2005		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
DPD							
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<del>N'DB</del>	2/28/2005		W9540-02	India	2973/DELNP/2004		Section 8(2) Details

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
DB-		2/28/2005		W9566 02	India	2967/DELNIP/2004		Application Form 1A
3								
/DB		2/28/2005		W9566-02	-India	2967/DELNIV2004		Power of Authority
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								Discussion to File
DB		2/28/2005		W9695-00				
S								
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					y 3°-	2967/DELNP/2004		Section 8(1) Details
/DB		2/28/2003	<del></del>	<del>- W9566-02</del>	India	- Eyonobe vireo		•
S								
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				W9539-02	India	2969/DELNP/2004		Application Form 1A
VDB		2/28/2003		W 9339-02	81012		•	
RS								
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WDB		2/28/2005		W9539 02	India	2969/DELNP/2004		Section 8(1) Details
RS								
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WDB		2/28/2005		W9540-02	India	2073/DELNP/2004	<del></del>	Section 8(1) Details
RS			•					
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						00/0/051 2/0/004		Section 8(2) Details
W <del>DB</del>		2/28/2005		<del>- w9539-02</del> -	<del>- India -</del>	<del></del>		300,1011 3127 2014110
RS								
RS								
RS								
RS						1014/051 1/0004		Power of Authority
RS W <del>DB-</del>		2/28/2005		W9543-Q1	India	1914/DELNP/2004		Power of Authority

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO INVENTOR	ACTION TYPE
VDB		2/28/2005		W/0543-01	India	1914/DELNP/2004	Section 8 (1) Details
RS							
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				W0543.01	India	1014/DELNP/2004	Section 8 (2) Details
W <del>DB</del>		2/28/2005		**********	776.6		
RS							
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		<u></u>					Request for Examination
W <del>DB</del>		- 2/28/2005	2/28/2005	W9528 01	Hungary	P0204138	Request for Examination
RS							
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CAC	BJA	2/28/2005	5/30/2005	W9556 03	- US	837846 Yaluris	- Office Action
LLB							
WDB		2/28/2005					Inventors, Compensation for
	•	2/20/2005					2004
RS							
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WDB		2/28/2005		<del>- W9675-01</del>	US	640693 Hocfer	Power of Attorney
RS ·							
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WDB		2/28/2005		W9540-02	India	2973/DELNP/2004	Power of Authority
RS		2/20/2003					
NO							
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-WDB)		, 2/28/2005		<del></del>	US	640693 Hoefer	· ····································
RS							•
WDB		2/28/2005		W9540-02	India	2973/DELNP/2004	Application Form 1A
RS							
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ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	. ACTION TYPE
NDB		2/28/2005		W9539-02	India	2969/DELNP/2004		Power of Authority
RS								
AC	ВЈА	2/28/2005	2/28/2005	W9440-01	Australia	32474/00		Request for Examination
LB	אנם	2/20/2003	2/20/2000					
				2210440.01	South Korea	2000 7012173		Request for Examination
:AC	BJA.	<del>- 2/28/2005</del>	2/28/2005	_ W9440.01	South Mores	2000-1012110		request for minimum.
<b>LB</b>								
		•		•				
WDB	-	3/1/2003	3/1/2005	<del>W9532-01</del>	Chile	1090-2003		Pay Examination Fees
RS								
						•		
CAC	BJA	3/1/2005		W9557-02	US	632044	Yaluris	Inventor Award
LLB								
			,					
		-2/2/2005 -			Europe	1355856		Rhodia - Watch
<del>WDB</del> RS		3/2/2005		•	Lurope	1.55050		
K3				•				
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عدر	`	3.205	3 2-05		Evere	121810>		Casouti
CAC-	BJA	3/2/2005	8/2/2005	- W9561-02	<del> US</del>	909706		Forcign File
LB								
		•						
CAC		3/2/2003	4/2/2003	W 9645-01	<del>- U3</del>	817009		Foreign File
DPD								
	· · · · · ·	-0.0.205				909709		Foreign File
CAC LLB	BJA	3/2/2005	8/2/2005	W'9034-02	<del></del>	707707		· viagar · ····

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
CAC		3/3/2005	8/3/2005	W9564-01	PCT	US04/03006		Chapter Il National Stage Entry
DPD						•		
RAM	нлт	3/3/2005	3/3/2005	W9441-01	Europe	99948505.5	•	Two Mth Ext. Response to Examination Report
LLB								
				•				
₩DB		3/3/2005	3/3/2005	- <del>W9447-02</del>	Europe	99970677.3		Response
RS							•	
				•				
WDB		3/3/2005		W9665-00	·		Herrig	Review - Inventor Disclosur
RS					•		,	
	14 894						**************************************	
								To sing File
CAC	BJA	3/3/2005	5/3/2005	W9556-03	US	837846 .	Rudesill	Foreign File
LLB								
								•
CAC		3/5/2005	3/5/2005	W9401-01	Europe	99930212.8		Response
DPD								
		<u> </u>						
WDB		3/5/2005		W9261-01	Thailand	048588		Copy of Corresponding Patent, official actions and
RS								Cited Referencs
KS								
WDB		3/5/2005		<del> </del>	Europe	WO2004/0436649A		Patent Watch
RS					•			
						•		

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
WDB		3/5/2005	<del></del>		US	2004/0106180 A1		Patent Watch Reminder
RS						•		
								•
CAC	BJA	3/5/2005	4/5/2005	W9478-02	US	236267	Roberie	Appeal Brief
OPD								
			<del> </del>		1 2:	760/MUMNP/2003		Section 8 (2) Details
EAC		3/6/2005		W9489-01	India	/60/JVI CIVITYF/200.9		
OPD								
							`	
CAC		3/6/2005		W9489-01	India	760/MUMNP/2003		Application Form 1A
OPD								
								·
NDB		3/6/2005	3/6/2005	W9543-01	Europe	02796709.0		File in Hong Kong
RS								
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					<b>—</b>	082778		Assignment Document
WDB		3/6/2005		W9552-01	Thailand	082778		· · · · · · · · · · · · · · · · · · ·
RS								
WLB	НJТ	3/6/2005	3/6/2005	W8797-02	Europe	96942911.7		Response to Examination
						•		Report
LLB								
CAC	ВЈА	3/6/2005		W9478-01	US	649627	Roberie	Recordation of Mobil
DPD	DJA	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
WDB	•	3/6/2005			US	2004/0077768		Patent Watch

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
'DB		3/6/2005			US	2004/0097600		Patent Watch
S								
AC		3/7/2005		W9484-01	Japan	2001-546840		Assignment - owned by Mobil & Grace
PD							•	Moon & Grace
עזי								
AM	нјт	3/7/2005	3/7/2005	W9520-02	Europe	02751958.6		File in Hong Kong
LB								
				•				
					116	887376		Foreign File
NDB		3/7/2005	7/7/2005	W9427-03	US	887.170		•
RS						,		
	•					<u>.</u> <u>.</u>	,, <u>,</u> , ,, ,, ,	·
CAC	BJA	3/8/2005	3/8/2005	W9517-01	us	901939	Roberie	Office Action
DPD								
						02752505.4		Response
CAC	BJA	3/8/2005	3/8/2005	W9517-01	Europe	02732303.4		
DPD								
WDB		3/9/2005	3/9/2005	W9646-01	US	114528		Notice of Appeal
RS								•
								Cartan
WDB-		3/9/2005	3/9/2005	<del></del>	Canada	2164208		Grant fees-
RS								
						•		
		2.40.000	0/10/2006		Europe	1252095		Possible Opposition
WDB RS		3/10/2005	8/10/2005		Lurope			
ΝJ				•				

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
WDB RS		3/10/2005			Europe	1171509	<del>-</del>	· · Follow up - Opposition
WDB		3/10/2005	3/10/2005	W9530-02	Europe	02754793.4		Response
RS								
wdb rs		3/10/2005		W9495-01	US	929621	Wormsbecher	File a CIP
		2/11/2005	3/11/2005	·	Europe	1346840		Agfa-Gevaert N.V. (Patent
WDB RS		3/11/2005	3/11/2003			·		Watch) - Grant and Printing Fees
				<u>.                                    </u>				an
WDB RS	-	3/12/2005		W9530-02	Poland	P.366825		Power of Attorney
				·				
WDB RS		3/13/2005	3/13/2005	W9530-02	Europe	02754793.4		File in Hong Kong
	<del> </del>					WO 2004/045504		Patent Watch
WDB RS		3/14/2005						
WDB RS	-	3/14/2005				WO 03/055802 A1		Patent Watch
			511.0005	W9494-03	US	\$46\$16		Foreign File
CAC LLB	BJA	3/14/2005	5/14/2005	W9494-03	US			

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TY			MAX TERM	NEW CASE	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
		3/14/2005	5/14/2005	W9494-04	US	846818		Foreign File
B.	3371	.,,, .		r				
			•				•	
			·			WO2004065299		Patent Watch
'DB S		3/14/2005		•				
J								
								Foreign File
AC	BJA	3/15/2005	4/15/2005	W9634-01	US	824913		, oreign a ne
LB								
VDB		3/15/2005	6/15/2005	W9628-01	US	579694	Chapman	Filing Regular Application
RS								
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VDP		3/15/2005	6/15/2005	W9628-01	US	579694		Foreign File
wdb rs								
						<b>3</b> — 11 3 4	Yahris.	non-complement
Ae			4 61705	W 958	TOI VS	274621 013708	Chester	Info Discl Statement
CAC DPD	ВЈА	3/16/2005	3/16/2005	W9453-03		•	-00-	JDS.
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いりょ		3-16-05		WAYAS	102 VS	892719		File Normal or Modified
CAC		3/16/2005	3/16/2005	w9489-01	Australia	2002211121		Examination
DPD				1,09539	wolf en	an Agrica	204/8091	pecteron
MDir		317-05		WAST		301424	Hu	FF
CAC		3/16/2005	3-16-05	W9463-03	US	013481	Cheng	Info Disci Statement
CAC DPD	BJA		.11012003			Marca 3	x 918091	game al 1 ber
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	MAX TERM	NEW CASE	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
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1 3.78.05	5.12.55	W9571-01	V5		<i>300.</i>	CF
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VDB 3/19/2005	3/19/2005	W9553-02	China	03811484.4	•	Films leg Arrola
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RAM HJT 3/23/200 LLB	21-2/ 4-2	105 W91	عدور اور	VS03133	477	Reply to Examination Report
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WLB HJT	3/25/2005	3/25/2005	W8797-02	Chile	2240-96		Response
11B	3.22.05		wayo vz	South A	ها بعمر سم	<b>187</b>	Romorany
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CAC	32205	\	v-9424.	2 (m	de 2393	925	recid betwo for
CAC HJT	3/27/2005	3/27/2005	W9515-01	Indonesia	W-00200301991		Request for Examination
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CAC HJT	3/28/2005	3/28/2005	W9515-01	us	833603	Cheng	Issue fee
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CAC HIT		3/28/2003	<del></del>	Czech Republ	ic PV2003-2731		Request for Examination
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WDB	3/30/2005	3/30/2005	W9305-01	Poland	P-334703		Response GG
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WDB	3/30/2005	3/30/2005 W9566-02 US 391270 Fruge	Issue fee
rs WOB	3. 24.05	vassion SomAfrica 201/10373	Core of IPER
uD3	3,24,05	W935201 Molie 3780/ Denelary	FormiA
WDB	4/1/2005	W9721-10 US 427812	Rec'd Office Action
rs Wos	3.24.05	40955201 choke 3780/ DELAP/2004	fau opartrub
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WDB	4/3/2005	4/3/2005 W9261-01 Hungary P0100974	Grant and Printing Fees
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WD3	3.2405	W95201 South Pyrice 2004/10373	Delect
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WDB	4/8/2005	4/8/2005 W9298-01 Canada 2258881	Response
rs WD3	นรอร	4905 M9293-01 Noman 19986146	Rosense
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WDB	4/11/2005	4/11/2005 W9465-01 South Korea 2001-7013004	Request for Examination
RS WD3	3.2605	W9,7520, Poland	Pourofally
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	4/11/2005	10/11/2005 W9637-01 PCT US03/14635	Chapter Il National Stage Entry
DPD WD3	3.27·vs	W9753.02 fol-0	Assy
COW.	32705	Vicassos Pata	- Pour contract
RAM	4/13/2005	4/13/2005 W9433-02 India 2002.00798/MUM	Order for Acceptance
LLB		1,0,122 01 10, 1, 1, UV122/96	modunk
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WDB	4/13/2005	4/13/2005 W9527-01 Europe 01933658.5	Response
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WDB	4/13/2005	4/13/2005	W9539-02	US	391286	Fruge	Issue fee
rs WDB	3.25 05		W9552-	o. Choli	- 3780108	inphooy	Pany soci 18/3
WD3	32805		W9866-17	· cholic	29671 DEL1	18),004	Sech 8(2) setails
WDB Br	rinks 4/14/2005	4/14/2005	W9719-02	Canada ·	2323287		Issue fee
RS COUNTY	4,1505	4120	5 WAY27	o, Eurqu	- 9992931	4.5	Poors
CAC ST	n zzus		W95170	1 Colons	u 64001	073	1 Pal
WDB	4/16/2005	4/16/2005	W9429-02	Germany	19826209.4		Response
rs WD <sup>9</sup>	3 A W		wasyon	or Choke	2973/086	n1   2004	Sech 3 (a) petils
WD3	323 15		W9566.	2 Jahr	- 2961 DE	influor	Form A
WDB	4/17/2005	4/17/2005	W9566-02	China	03811438.0	•	Request for Examination
rs WDB	372.05	•	W9760	> choke	2967/09	ELMP Inou	1 form of atty
WD3	32805		Walso	· <b></b>		,	Discuss_Dale
WDB	4/18/2005	4/18/2005	W9447-03	Malaysia	PI20011852		Modified Examination
rs UD3	4.1205	4 18 65	- W349	30, Em.	مرح ٢٥٥٥	16243.9	Joon se
WDB	32805		WSSOL	o-va ch	dre 29 6	DELNP &	vor Seit 81,1 px
WDB	4/20/2005	4/20/2005	W9425-01	Germany	19817257.5		Response
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WD3	3.2805		W9539.10.	2 Choh	_ 2969 DE	Lnp / 2004	lorm 1 A
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WDB	4/28/2005	4/28/2005	W9527-01	Turkey	02/2098		Issue fee
RS WD3	42805	4.28.05	W 9495-	or Chine	- 028203	267	wy yes,
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CAC BJA	5/2/2005	11/2/2005	W9558-01	us	624492	Yaluris	Filing Regular Application
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CAC	5/2/2005	5/2/2005	W9564-01	US	357115	Wormsbecher	Issue fee
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CAC BJA	5/2/2005	11/2/2005	W9558-01	US	624492	C	Foreign File
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UD3	3.22 05	<b>5</b>	W9675	01 15	W0693	Hoef	tourobably
CAC	5/3/2005	5/3/2005	W7860-01	Canada	2111399		Response
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WD3	3.2805		W9603	50, B	640693	s Hoofs	Assign
CAC	5/3/2005	5/3/2005	W8240-01	Canada	2111400		Response
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CAC	5/4/2005	5/4/2005	W8241-01	Canada	2111398		Response
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WD3	5455	5-4-05	WAYN	io, Mole	you Pic	1003895	Doduse
CAC	5/5/2005	11/5/2005	W9680-01	US	625544		Foreign File
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CAC DPD	5/5/2005	11/5/2005	W9680-01	US .	625544		Filing Regular Application
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WDS S	,9 OS	8.905	W9340 va	> L5 1 39	1044 -	14 8 4	Mice cet
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WDB		5/11/2005	5/11/2005	W9643-02	PCT	US2004/021998		Response to PCT Written Opinion
RS (UD:	3	4205		C)	n de	1355750		Phone water
ex	_ Bs	7A 34-20	5 8.205	· 1095	61-02 VS	909700	· · · · · · · · · · · · · · · · · · ·	76
RAM		5/13/2005	5/13/2005	W9448-02	India	2002.00801/MUM		Order for Acceptance
LLB CAC.	1+5	5.13	os 5113-0	s War	TARI C	Russe 200		Rogense
CAC	Bor	7 5-15	US 815	US W	9494.13	US 84681	6 UNT	e officeati
RAM	ТІН	5/16/2005	5/16/2005	W8903-01	Canada	2266910		Final Fees
LLB CAC	Per	1 51605	51605	W946	1.13 VS	308737	Chestr	155mm )e
CAC	_	42.05	4205	WAI	44501	VS 8170	) <del>6</del> 4	F
WDB		5/22/2005	5/22/2005	W9540-02	Europe	03714244.5		File in Hong Kong
RS CAL	Ge	A 4.26	7 7205	109	634 02	US 9097	৩৩	4
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CAC DPD	ВЈА	5/24/2005	5/24/2005	W9478-01	Australia	75886/00		File Divisional Applicatin
CAC	_	5.38-65	< 273.05°	W943	601 EU	100 LO93	20466	Roanse
WDB RS		5/29/2005	5/29/2005	W9539-02	Eruope	03716724.4		File in Hong Kong
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WDB		5/31/2005	5/31/2005	W9552-01	China			Request for Examination
RS						•		
CAC LLB	ВЈА	6/1/2005	12/1/2005	W9557-02	US	632044	Yaluris	Foreign File
CAC LLB	ВЈА	6/1/2005	12/1/2005	W'9557-02	US	632044	Yaluris	Filing Regular Application
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WDB		DUE DATE 6/6/2005	6/6/2005	NO W9709-01	PCT	US04/37112	DEMAND
RS	БПІК		0/0/2003	W9709-01	PCI	03047.1112	DEMAND
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RAM	нјт	6/6/2005	6/6/2005	W9482-01	Australia	2002245309	Search Results
LLB							
CAC .	BJA	6/6/2005	6/6/2005	W9561-02	PCT	US04/36642	DEMAND
LLB							
WDB		6/7/2005	6/7/2005	W9425-01	Malaysia	PI 9901501	Response to Examination
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WDB		6/9/2005	6/9/2005	W9526-01	Australia	2002238441	Search Results
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WDB	<del></del>	6/12/2005	6/12/2005	W9429-01	Germany	19815564.6	Response
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CAC	ВЈА	6/16/2005	12/16/2005	W9463-03	US	013481	Foreign File
DPD							
WDB		6/16/2005	6/16/2005	W9443-02	India	2001.00089/MUM	Order for Acceptance
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CAC	BJA	6/16/2005	12/16/2005	W9453-03	US	013708	Foreign File
DPD							-

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
CAC	ВЈА	6/17/2005	12/17/2005	W8505-08	US	015912		Foreign File
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<b>VDB</b>		6/19/2005	6/19/2005	W9566-02	Europe	03714239.5		File in Hong Kong
RS								
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RAM	HLC	6/20/2005	6/20/2005	W9652-02	PCT	US04/38529		DEMAND
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VDB		6/22/2005	6/22/2005	W9298-02	Japan .	508696/99		Request for Examination
RS								
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VDP.		4 12.5 12.005	C 125 12005	W02(1.01	C	10005250.4		Office Action ·
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VDB		6/28/2005	6/28/2005	W9530-02	Brazil	P10210819-4		Request for Examination
S		0/20/2005	0/20/2003	** 75.70-02		7,0210077 4		Noquest for Examination
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ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
WDB		6/30/2005	12/30/2005	W9675-01	US	640693	Fnız	Filing Regular Application
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WDB		6/30/2005	12/30/2005	W9675-01	US	640693	Fritz	Foreign File
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WDB		6/30/2005	6/30/2005	W9543-01	Canada	2472147		Assignment Document
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WDB RS		7/4/2005	7/4/2005	W9530-02	Malaysia	PI20022540		Full Examination
KS								
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CAC	BJA	7/6/2005	7/6/2005	W9561-02	PCT	US04/36642		CHAPTER 1 NATIONAL
LLB								STAGE ENTRY
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WDB	Brinks	7/6/2005	7/6/2005	W9709-01	PCT	US04/37112		CHAPTER 1 NATIONAL
RS			•	-				STAGE ENTRY
CAC	_	7/7/2005	7/7/2005	W9571-01	PCT	US04/09850	· · · · · · · · · · · · · · · · · · ·	Reminder for IPER &
DPD								Written Opinion
5.5								
CAC	BJA	7/8/2005	7/8/2005	W9440-01	India	2000.00549/MUM		Order for Acceptance
LLB								
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CAC	ВЈА	7/8/2005	7/8/2005	W9517-01	Indonesia	W-00 2004 00045	· · · · · · · · · · · · · · · · · · ·	Request for Examination
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ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO INVENTOR	ACTION TYPE
CAC	ВЈА	7/9/2005	7/9/2005	W9517-01	Japan	512337/03	Request for Examination
DPD			,				
CAC	ВЈА	7/9/2005	7/9/2005	W9517-01	Brazil	P10210972-7	Request for Examination
DPD							
						•	· .
WDB	-	7/11/2005	1/11/2006	W9643-02	PCT	US04/21998	Chapter II National Stage Entry
RS							<i></i> ,
				,			•
CAC		7/11/2005	7/11/2005	W9637-01	PCT	US03/14635	Reminder for IPER &
DPD							Written Opinion
•							
WDB		7/19/2005		W9539-02	Australia	2003220419	Search Results
RS							
WDB		7/19/2005		W9553-02	Australia	2003230679	Search Results
RS	•						
RAM	HLC	7/20/2005	7/20/2005	W9652-02	РСТ	US04/38529	CHAPTER I NATIONAL
LLB							STAGE ENTRY
			,				
CAC	нјт	7/21/2005	7/21/2005	W9323-01	Australia	2002258677	File Normal or Modified Examination
LLB							
					·		

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO INVENTOR	ACTION TYPE
CAC	нјт	7/21/2005	7/21/2005	W9479-01	Australia	2002254479	File Normal or Modified Examination
LLB					·		
CAC	нут	7/21/2005	7/21/2005	W9515-01	Australia	2002258676	File Normal or Modified Examination
LLB							
CAC	нут	7/21/2005	7/21/2005	W9488-01	Australia	2002258675	File Normal or Modified Examination
LLB							
WDB		7/23/2005	7/23/2005	W9711-01	PCT	US04/11960	Reminder for IPER & Written Opinion
CAC		7/25/2005	7/25/2005	₩9446-01	Canada	2379960	Request for Examination
DPD							
WDB RS		8/9/2005	8/9/2005	W9633-02	PCT	US05/00641	DEMAND
WDB RS		8/12/2005	8/12/2005	W9495-01	Ukraine	200402119/M	Request for Examination
WDB RS		8/12/2005	8/12/2005	W9495-01	Јарал	520463/03	Request for Examination
							· •

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
WDB RS		8/12/2005	8/12/2005	W9495-01	Brazil	P10211927-7		Request for Examination
CAC	ВЈА	8/16/2005	8/16/2005	W9494-01	Singapore	200305528-2	· · ·	Grant fees
LLB A	G3A	४।७०५	8-1705	WSVAYO	1 Astro	الاحتمال سا	3584	search Resu
WDB RS		8/20/2005	8/20/2005	W9498-01 .	Japan	522682/03		Request for Examination
	·							
WDB RS		8/27/2005	8/27/2005	W9413-02	India	2001.00103/DEL	,	Order for Acceptance
			·					
WDB RS		9/2/2005	9/2/2005	W9552-01	Europe	03735448.7		File in Hong Kong
NDB RS		9/9/2005	9/9/2005	W9633-02	РСТ	US05/00641		CHAPTER 1 NATIONAL STAGE ENTRY
CAC OPD		9/16/2005	9/16/2005	W9489-01	Australia	2002244121		Search Results
VDB		9/17/2005	9/17/2005	W9540-02	Canada	2479692	· · · · · · · · · · · · · · · · · · ·	Assignment Document
CAC OPD	ВЈА	9/18/2005	9/18/2005	W9478-01	South Korea	2002-7003717		Request for Examination

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO INVENTOR	ACTION TYPE
CAC DPD	ВЈА	9/18/2005	9/18/2005	W9478-01	Australia	75886/00	Request for Examination
CAC DPD	ВЈА	9/18/2005	9/18/2005	W9478-01	Canada	2385439	Request for Examination
CAC DPD		9/20/2005	9/20/2005	W9483-01	Canada	2384030	Request for Examination
WDB RS		9/23/2005	9/23/2005	W9528-01	Turkey	02/235	Working Requirement
WDB RS	<u>.</u>	10/2/2005	10/2/2005	W9427-01	Thailand	051514	Substantive Examination
WDB		10/5/2005	10/5/2005	W9543-01	New Zealand	533911	Date Formal Request for Entry into National Phase to be Filed
RS		. •			·		
WDB RS		10/11/2005	10/11/2005	W9643-02	PCT	US04/21998	Reminder for IPER & Written Opinion
CAC LLB	нлт	10/13/2005	10/13/2005	W9479-01	Singapore	200305859-1	Grant Fees

ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO INVENTOR	ACTION TYPE
LB	нјт	10/13/2005	10/13/2005	W9323-01	Singapore	200305913-6	Grant fees
AC LB	нут	10/13/2005	10/13/2005	W9515-01	Singapore	200305994-6	Grant fees
AC LB	нјт	10/13/2005	10/13/2005	W9488-01	Singapore	200305993-8	Grant fees
						·	
AM LB	НЈТ	10/19/2005	10/19/2005	W9459-01	South Korea	2002-7005582	Request for Examination
VDB S	- 11	11/29/2005	11/29/2005	W9552-01	Canada	2487370	Assignment Document
AC	BJA	12/6/2005	5/6/2006	W9561-02	PCT	US04/36642	Chapter II National Stage Entry
LB							•
			•				·
	Brinks	12/6/2005	5/6/2006	W9709-01	PCT	US04/37112	Chapter II National Stage Entry
	Brinks	12/6/2005	5/6/2006	W9709-01	PCT	US04/37112	
s AC	Brinks	12/6/2005	5/6/2006	W9709-01 W9484-01	PCT Australia	US04/37112 21031/01	
VDB S AC PD	Brinks						

ATTY ASST	O/C	DUE DAȚE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO INVENTOR	ACTION TYPE
WDB		1/9/2006	7/9/2006	W9633-02	PCT	US05/00641	Chapter Il National Stage Entry
RS							
						· ·	·
CAC	BJA	1/10/2006	1/10/2006	W9517-01	Singapore	200400005-5	Grant fees
DPD							
WDB RS		1/18/2006	1/18/2006	W9413-02	Thailand	051565	Substantive Examination
		·					
WDB		2/3/2006	2/3/2006	W9261-01	Јарап	531497/00	Request for Examination
RS						•	
				4101			
WDB	Brinks	2/6/2006	2/6/2006	W9709-01	PCT	US04/37112	Reminder for IPER & Written Opinion
RS							
. <b>.</b>				٠.			
CAĆ	BJA	2/6/2006	2/6/2006	W9561-02	PCT	US04/36642	Reminder for IPER & Written Opinion
LLB							Within Opinion
RAM		2/11/2006	2/11/2006	W9391-01	Japan	2000-533469	Request for Examination
LLB							•
			·			· · · · · · · · · · · · · · · · · · ·	
CAC	ВЈА	2/13/2006	2/13/2006	W9494-01	India	746/MUMNP/2003	Request for Examination
LLB							

ATTY			MAX TERM	NEW CASE				
ASST	O/C	DUE DATE	DATE	NO NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
RAM	HLC	2/20/2006	2/20/2006	W9652-02	PCT	US04/38529	_	Reminder for IPER &
LLB		•						Written Opinion
	•							
CAC		2/20/2006	2/20/2006	W9489-01	India	760/MUMNP/2003	· <del>_</del> ·	Request for Examination
DPD								
								· · · ·
WDB		2/27/2006	2/27/2006	W9527-01	South Korea	2002-7011548		Request for Examination
RS <sub>.</sub>		٠	•					
					•			
WDB		2/27/2006	2/27/2006	W9527-01	Canada	2401841	· · · · · · · · · · · · · · · · · · ·	Request for Examination
RS								
								eran ini ini ini ini ana ana ana ana ana a
<b>VDB</b>		3/6/2006	3/6/2006	W9425-01	Thailand	049928		Substantive Examination
RS								
VDB	<del></del>	3/13/2006	3/13/2006	W9540-02	Taiwan	92105498		Substantive Examination
RS				•	•	•		·
								. •
VDB	<u>-</u>	3/13/2006	3/13/2006	W9553-02	Taiwan	92105499	- · · · · · · · · · · · · · · · · · · ·	Substantive Examination
.S						•		
/DB		3/18/2006	3/18/2006	W9539-02	Taiwan	92105923		Substantive Examination
S								•
						<u> </u>		
'DB		3/18/2006	3/18/2006	W9553-02	Argentina	P030100966		Request for Examination
S						-		

ATTY ASST O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO INVENTOR	ACTION TYPE
'DB	3/18/2006	3/18/2006	W9539-02	Argentina	P030100964	Request for Examination
S						
VDB	3/18/2006	3/18/2006	W9540-02	Argentina	P030100965	Request for Examination
RS			•			
		·.				
VDB	3/18/2006	3/18/2006	W9566-02	Argentina	P030100963	Request for Examination
rs.					•	
VDB	3/19/2006	3/19/2006	W9540-02	Brazil	PI0308560-0	Request for Examination
rs.						
				•		
VDB	3/19/2006	3/19/2006	W9553-02	Japan	578471/03	Request for Examination
RS						,
					,	
VDB	3/19/2006	3/19/2006	W9566-02	Russian	2004133559	Request for Examination
rs.				Federation	. •	
			•	•	•	,
				,		·
VDB	3/19/2006	3/19/2006	W9539-02	Brazil	P10308558-9	Request for Examination
ıs.						
vDB	3/19/2006	3/19/2006	W9553-02	Russian	2004130834	Request for Examination
!S				Federation		^
.。 ごりろ	3-19-06	, \ <i>,</i>	U 9340~~	- Ri	and 218 25	Dearch los
<i>SO</i> 0	3-19.06		20956	is Au	strell 2003 218245	Jearch Rose
VDB	3/19/2006	3/19/2006	W9539-02	Japan	578155/03	Request for Examination
:S						

ATTY			MAX TERM	NEW CASE		•		
ASST	O/C	DUE DATE	DATE	NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
VDB		3/19/2006	3/19/2006	W9539-02	Russian Federation	2004130835		Request for Examination
:S				•	• • • • • • • • • • • • • • • • • • • •			
					•			
<b>VDB</b>		3/19/2006	3/19/2006	W9566-02	Japan	585981/03		Request for Examination
RS				•	•			
							,	
		211010001	2/10/000/		1	578154/02	<u> </u>	Request for Examination
VDB RS		3/19/2006	3/19/2006	W9540-02	Japan	578154/03		Request for Examination
VDB	<del></del>	3/19/2006	3/19/2006	W9540-02	Russian	2004130836		Request for Examinatio
RS.			ŭ		Federation			·
		e mandrine a come						
NDB		3/19/2006	3/19/2006	W9566-02	Brazil	P10308561-9		Request for Examination
RS								
<del></del> -		<del> </del>	<del></del>		·			
WDB RS		3/19/2006	3/19/2006	W9553-02	Brazil	P10308557-0		Request for Examination
(3					•			
						•		
CAC	нјт	3/28/2006	3/28/2006	W9488-01	India	829/MUMNP/2003	<del></del>	Request for Examination
.LB								
					•			
CAC	нјт	3/28/2006	3/28/2006	W9515-01	India	832/MUMNP/2003		Request for Examination
.LB								•
						7/10/11/19/19/0000		Paragrafian Forming in
CAC LB	нјт	3/28/2006	3/28/2006	W9479-01	India	761/MUMNP/2003		Request for Examination
						•		
			•		•			

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
CAC	тін	3/28/2006	3/28/2006	W9323-01	India	770/MUMNP/2003		Request for Examination
LВ								
WDB		3/31/2006	3/31/2006	W9429-01	Japan	2000-540923		Request for Examination
RS								
VDB		4/9/2006	4/9/2006	W9633-02	PCT	US05/00641		Reminder for IPER &
RS		:						Written Opinion
WDB		4/10/2006	4/10/2006	W9566-02	Taiwan	92108242		Substantive Examination
RS								
								· · · · · · · · · · · · · · · · · · ·
WDB	•	4/11/2006	4/11/2006	W9447-03	Canada	2406958	•	Request for Examination
RS						•		
					•	•		
							·	D for Francisco
WDB		4/11/2006	4/11/2006	W9447-03	South Korea	2020-7013988		Request for Examination
RS								
WDB		4/16/2006	4/16/2006	W9425-01	Japan	2000-544734		Request for Examination
RS			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		•			
							•	,
	Brinks	5/4/2006	5/4/2006	W9718-01	Japan	2000-546862		Request for Examination
₩DB								
WDB RS								
	<u>.</u>	5/23/2006	5/23/2006	W9552-01	Brazil	P10311481.3	· · · · · · · · · · · · · · · · · · ·	Request for Examination

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ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO INVENTOR	ACTION TYPE
WDB		5/23/2006	5/23/2006	W9552-01	Japan	509735/04	Request for Examination
RS							
				•			
						•	
WDB		5/28/2006	5/28/2006	W9552-01	Taiwan	92114383	Request for Examination
RS						•	
WDB		5/28/2006	5/28/2006	W9460-01	Germany	19924453.7	Request for Examination
RS				•		•	
						P00010100/	Decrees for Everyingtian
WDB		5/29/2006	5/29/2006	W9552-01	Argentina	P030101926	Request for Examination
RS					•		
		•			•		
 CAC		4/10/2004	4/10/2004	W9401-01	Japan	2000-558193	Request for Examination
CAC DPD		6/10/2006	6/10/2006	W 940 3-03	Japan	2000 330173	
							•
WDB		6/22/2006	6/22/2006	W9427-01	Japan	2000-558981	Request for Examination
RS							
WDB		6/22/2006	6/22/2006	W9427-01	Turkey	2001/17	Request for Examination
RS							•
					٠		
WDB		6/28/2006	6/28/2006	W9530-02	India	0012/DELNP/2004	Request for Examination
RS							
				N/0520 02	Malausia	D120022540	Modified Examination
WDB RS		7/4/2006	7/4/2006	W9530-02	Malaysia	PI20022540	Months Examination
NJ			•				
			•				

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE	COUNTRY	DOCUMENT NO INVENTOR	ACTION TYPE
WDB		7/7/2006	7/7/2006	W9413-02	Turkey	2001/18	Request for Examination
RS						•	
				· · · · · · · · · · · · · · · · · · ·			
WDB		7/7/2006	7/7/2006	W9413-02	Japan	2000-559049	Request for Examination
RS				•			
WDB		7/8/2006	7/8/2006	W9443-02	Japan	2000-558983	Request for Examination
RS							
		·	•				
CAC	BJA	7/9/2006	7/9/2006	W9517-01	India	00011/MUMNP/200	Request for Examination
DPD							•
		•			•	•	
CAC	BJA	7/12/2006	7/12/2006	W9393-01	Japan	2000-562135	Request for Examination
DPD	20						
						DI20042824	Request for Examination
WDB RS		7/15/2006	7/15/2006	W9643-02	Malaysia	Pl20042824	Request for Examination
							•
CAC	Mobil	7/22/2006	7/22/2006	W9435-01	Japan	2000-562334	Request for Examination
DPD		,					
					•		
			0/2/2004	220,65,01	1	2000-563704	Request for Examination
RAM LLB		8/9/2006	8/9/2006	W/9655-01	Japan	2000-30.7704	request for Examination
			•				
						•	
WDB		8/12/2006	8/12/2006	W/9495-01	India	00343/DELNP2004	Request for Examination
RS							

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
WDB		9/19/2006	9/19/2006	W9540-02	Singapore	200405219-7		Grant fees
RS								
		·						
WDB		9/19/2006	9/19/2006	W9539-02	Singapore	200405220-5		Grant fees
RS								
						200405222.1	<del></del>	Grant fees
WDB RS		9/19/2006	9/19/2006	W9553-02	Singapore	200405222.1		Grant rees
KS								
		· · · · · · · · · · · · · · · · · · ·						
RAM	нјт	10/1/2006	10/1/2006	W9441-01	Japan	2000-574578		Request for Examination
LLB								
						•		
	د په خاند . د د	<u> </u>						
WDB		10/17/2006	10/17/2006	W9566-02	Singapore	200405221-3		Grant fees
RS								
					•			
						·		
CAC	ВЈА	10/20/2006	10/20/2006	W9556-01	Taiwan	92129006		Substantive Examination
LLB								
CAC	DIA	10/20/2006	10/20/2006	W9625-01	Taiwan	92129003		Substantive Examination
CAC LLB	BJA	10/20/2000	10/20/2000	W 9023-01	) al wall	7212700.7		
						, ·		
CAC	BJA	10/20/2006	10/20/2006	W9557-01	Taiwan	92129005		Substantive Examination
LLB				•				
					•			
		•						
WDB		10/21/2006	10/21/2006	W9447-02	Japan	577250/00		Request for Examination
RS								

АТТҮ			MAX TERM	NEW CASE			
ASST	O/C	DUE DATE	DATE	NO	COUNTRY	DOCUMENT NO INVENTOR	ACTION TYPE
WDB		12/14/2006	12/14/2006	W9526-01	Canada	2436690	Request for Examination
RS				•			
		•	•			•	
							·
CAC	НЈТ	12/18/2006	12/18/2006	W9563-01	Argentina	P030104758	Substantive Examination
LLB							
•						•	
		· ·				•	·
CAC	нут	12/18/2006	12/18/2006	W9577-01	Argentina	P030104759	Substantive Examination
LLB							•
		<del> </del>	<del></del>			· · · · · · · · · · · · · · · · · · ·	
CAC	TLH	12/18/2006	12/18/2006	W9563-01	Taiwan	92135939	Request for Examination
LLB							
							December 1
WDB		12/20/2006	12/20/2006	W9543-01	India	1914/DELNP/2004	Request for Examination
RS							
						·	
RAM		12/20/2006	12/20/2006	W9408-01	Japan	589280/00	Request for Examination
LLB		12/20/2000	12/20/2000	***************************************	Jupan.		<b>-</b>
							•
WDB		12/22/2006	12/22/2006	W9413-02	Turkey	01/18	Patent to Use
RS				•			
				·			
CAC	BJA	12/23/2006	12/23/2006	W9463-02	Germany	19962669.3	Request for Examination
DPD					·		
CAC		1/23/2007	1/23/2007	W9483-01	Thailand	060560	Substantive Examination
DPD		.223.		•			
				•			
			·			·	

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
RAM LLB	нлт	1/25/2007	1/25/2007	W9482-01	Canada	2473739		Request for Examination
				•				
CAC DPD		2/2/2007	2/2/2007	W9564-01	Taiwan	93102285		Request for Examination
CAC LLB	BJA ·	2/13/2007	2/13/2007	W9494-01	Canada	2438700	<del></del>	Request for Examination
CAC	ВЈА	2/13/2007	2/13/2007	W9494-01	South Korea	2003-701695		Request for Examination
LLB						·; .		
CAC DPD		2/20/2007	2/20/2007	W9489-01	Canada	2440083		Request for Examination
CAC DPD		<del>- 2/20/2007</del>	<del>2/20/2007</del>	<del>-W9489-0}</del>	Australia	2002244121		Request for Examination
CAC LLB	BJA	2/28/2007	2/28/2007	W9440-01	Japan	2000-602390		Request for Examination
WDB RS		3/19/2007	3/19/2007	W9540-02	India			Reguest for Examination
WDB RS		3/19/2007	3/19/2004	W9553-02	India			Request for Examination

ATTY			NAAN TEDNA	NEWCASE				
ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
WDB		3/19/2007	3/19/2007	W9539-02	India			Request for Examination
RS			•					
						•		
WDB		3/19/2007	3/19/2007	W9566-02	India			Request for Examination
RS								
						·		•
CAC	HJT	3/28/2007	3/28/2007	W9488-01	South Korea	2003-7013201		Request for Examination
LLB								•
CAC	нјт	3/28/2007	3/28/2007	W9323-01	Canada	2444393		Request for Examination
LLB					•			
					· ·			
CAC	ніт	3/28/2007	3/28/2007	W9323-01	Australia	2002258677		Request for Examination
LLB								
				•				
							·	
CAC	HJT	3/28/2007	3/28/2007	W9323-01	South Korea	2003-7013416		Request for Examination
LLB								
			•		,			•
			<u> </u>	·			<del></del>	
CAC	HJT	3/28/2007	3/28/2007	W9479-01	Australia	2002254479		Request for Examination
LLB								
						2002250474		Request for Examination
CAC	НЈТ	3/28/2007	3/28/2007	W9515-01	Australia	2002258676		Request for Examination
LLB								
					61	244488		Request for Examination
CAC	нјт	3/28/2007	3/28/2007	W9515-01	Canada	2444488		Request for Examination
LLB								

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO 1	NVENTOR	ACTION TYPE
CAC	нјт	3/28/2007	3/28/2007	W9479-01	Canada	2444461		Request for Examination
LLB						•		·
					•			
CAC	нјт	3/28/2007	3/28/2007	W9515-01	South Korea	2003-7013418		Request for Examination
LLB								•
		•						
				_				
CAC	нјт	3/28/2007	3/28/2007	W9479-01	South Korea	2003-7013390		Request for Examination
LL.B								
					,		•	
CAC	нлт	3/28/2007	3/28/2007	W9488-01	Canada	2443898		Request for Examination
LLB								
					•			
	· <u>-</u>							
CAC	нјт	3/28/2007	3/28/2007	W9488-01	Australia	2002258675		Request for Examination
LLB			•					
CAC		4/7/2007	4/7/2007	W9571-01	Taiwan	93109348		Request for Examination
DPD								
							<del> </del>	
CAC		4/7/2007	4/7/2007	W9571-01	Argentina	P040101201		Request for Examination
DPD								•
CAC		4/9/2007	4/9/2007	W9637-01	Taiwan	93110063		Request for Examination
DPD								
RAM	HLC	4/10/2007	4/10/2007	W9513-02	South Korea	2003-7014216		Request for Examination
LLB								

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	O INVENTOR	ACTION TYPE
RAM	нјт	4/10/2007	4/10/2007	W9520-02	South Korea	2003-7041209		Request for Examination
LB								
RAM	нэт	4/10/2007	4/10/2007	W9514-02	South Korea	2003-7014210		Request for Examination
LLB								•
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RAM LLB	HLC	4/10/2007	4/10/2007	W9568-01	South Korea	2003-7014217		Request for Examination
LLD								
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WDB		4/11/2007	4/11/2003	W9465-01	Japan	2001-509424		Request for Examination
RS								
CAC <sup>1</sup>		4/11/2007	4/11/2007	W9637-01	Argentina	P040101217		Request for Examination
DPD				٠				
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	<del></del> -	51110005	6440007	N/0424 01		616922/00		Request for Examination
CAC DPD .		5/4/2007	5/4/2007	W9436-01	Japan			
WDB		5/23/2007	5/23/2007	W9552-01	India	3780/DELNP/200	4	Request for Examination
RS								
WDB		6/28/2007	6/28/2007	W9530-02	Australia	2002321144	· · · · · · · · · · · · · · · · · · ·	Request for Examination
RS								
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WDB		6/28/2007	6/28/2007	W9530-02	South Korea	2004-7000119		Request for Examination
RS								

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ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
CAC	ВЈА	7/9/2007	7/9/2007	W9517-01	Canada	2452434	77	Request for Examination
DPD	<b>D771</b>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<b>01</b>			·
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CAC	BJA	7/9/2007	7/9/2007	W9517-01	South Korea	2004-7000392		Request for Examination
DPD							•	
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WDB		7/9/2007	7/9/2007	W9643-02	Taiwan	93120616		Substantive Examination
RS		•						
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CAC	ВЈА	7/9/2007		W9517-01	Australia	2002354582		Request for Examination
DPD								
WDB		7/19/2007	7/19/2007	W9528-01	Turkey	02/235		Request for Examination
RS								
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WDB		8/12/2007	8/12/2007	W9495-01	South Korea	2004-7002162		Request for Examination
RS								
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WDB		8/12/2007	8/12/2007	W9495-01	Canada	2457730		Request for Examination
RS								
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WDB		8/12/2007	8/12/2007	W9495-01	Australia	2002355940		Request for Examination
RS						•		
						. <u></u>		·
WDB		8/20/2007	8/20/2007	. W9498-01	Canada	2458308		Request for Examination
RS						•		

ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
CAC	ВЈА	9/18/2007	9/18/2007	W9478-01	Japan	525295/01		Request for Examination
OPD			,					
				•				
						2001 525204		Request for Examination
CAC OPD		9/20/2007	9/20/2007	W9483-01	Japan	2001-525296		Request for Examination
							•	
VDB	Brinks	10/13/2007	10/13/2007	W9719-02	Јарап	2000-351939		Request for Examination
RS					٠			
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RAM	нлт	10/19/2007	10/19/2007	W9459-01	Japan	535421/01		Request for Examination
LB.							•	•
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RAM		10/19/2007	10/19/2007	W9461-01	Japan	535420/01	,	Request for Examination
LLB								
RAM	-	10/19/2007	10/19/2007	W9475-01	Japan	535419/01		Request for Examination
LB	·							
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AC OPD		12/15/2007	12/15/2007	W9484-01	Japan	2001-546840		Request for Examination
סייט								
AM	-	12/18/2007	12/18/2007	W9433-02	Japan	546775/01		Request for Examination
LB								
RAM		12/18/2007	12/18/2007	W9448-02	Japan	546774/01	· · · · · · · · · · · · · · · · · · ·	Request for Examination
LB		12/10/2007	12/10/2007	11 7440-01	Japan	P1011101		

ATTY ASST O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO INVENTOR	ACTION TYPE
WDB RS	12/20/2007	12/20/2007	W9543-01	South Korea	2004-7010426	Request for Examination
WDB	12/20/2007	12/20/2007	W9543-01	Canada	2472147	Request for Examination
RS	•					
WDB	12/20/2007	12/20/2007	W9543-01	Australia	2002361196	Request for Examination
RS						
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WDB	2/27/2008	2/27/2008	W9527-01	Turkey	02/2098	Request for Examination
RS						
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WDB	2/27/2008	2/27/2008	W9527-01	Japan	2001-563431	Request for Examination
RS						
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WDB	3/19/2008	3/19/2008	W9539-02	Australia	2003220419	Request for Examination
RS						
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WDB	3/19/2008	3/19/2008	W9539-02	South Korea	2004-7014807	Request for Examination
RS						
						,
WDB	3/19/2008.	3/19/2008	W9540-02	Australia	2003218250	Request for Examination
RS						
WDB	3/19/2008	3/19/2008	W9540-02	South Korea	2004-7014808	Request for Examination
RS					•	
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ATTY			MAX TERM	NEW CASE	•		
ASST	O/C	DUE DATE	DATE	NO	COUNTRY	DOCUMENT NO INVENTOR	ACTION TYPE
WDB		3/19/2008	3/19/2008	W9566-02	Australia	200321245	Request for Examination
RS							
WDB		3/19/2008	3/19/2008	W9540-02	Canada	2479692	Request for Examination
RS							
WDB		3/19/2008	3/19/2008	W9553-02	Australia	2003230679	Request for Examination
RS				•			
	tom A (AMM #11/1001)						
WDB		3/19/2008	3/19/2008	W9553-02	South Korea	2004-7014850	Request for Examination
RS					,	•	
WDB		3/19/2008	3/19/2008	W9566-02	South Korea	2004-7014821	Request for Examination
RS							
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WDB		4/11/2008	4/11/2008	W9447-03	Japan	2001-578567	Request for Examination
RS						·	
					•		
WDB		5/23/2008	5/23/2008	W9552-01	Australia	2003237667	Request for Examination
RS							
WDB	-	5/23/2008	5/23/2008	W9552-01	Canada	2487870	Request for Examination
RS	•	•					
WDB		5/23/2008	5/23/2008	W9552-01	South Korea	2004-7019495	Request for Examination
RS							

ATTY ASST	O/C	DUE DATE	MAX TERM DATE	NEW CASE NO	COUNTRY	DOCUMENT NO	INVENTOR	ACTION TYPE
WDB	<u>-</u>	6/20/2008	6/20/2008	W-9543-01	Australia -	2002361196		Search Results
RS			•					
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							• • •	Request for Examination
VDB RS		8/22/2008	8/22/2008	W9498-01	Germany	10141020.4	•	Request for Examination
.5								
DB		5/9/2009	5/9/2009	W9539-02	Thailand	080959	·	Request for Examination
S							•	
		· .						
/DB		5/9/2009	5/9/2009	W9530-02	Thailand	074939		Request for Examination
S								•
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DB		5/9/2009	5/9/2009	W9553-02	Thailand	080961		Request for Examination
5							·	
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DB		7/8/2009	7/8/2009	W9566-02	Thailand	081682		Request for Examination
S								
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/DB		7/18/2009	7/18/2009	W9552-01	Thailand	082778		Request for Examination
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